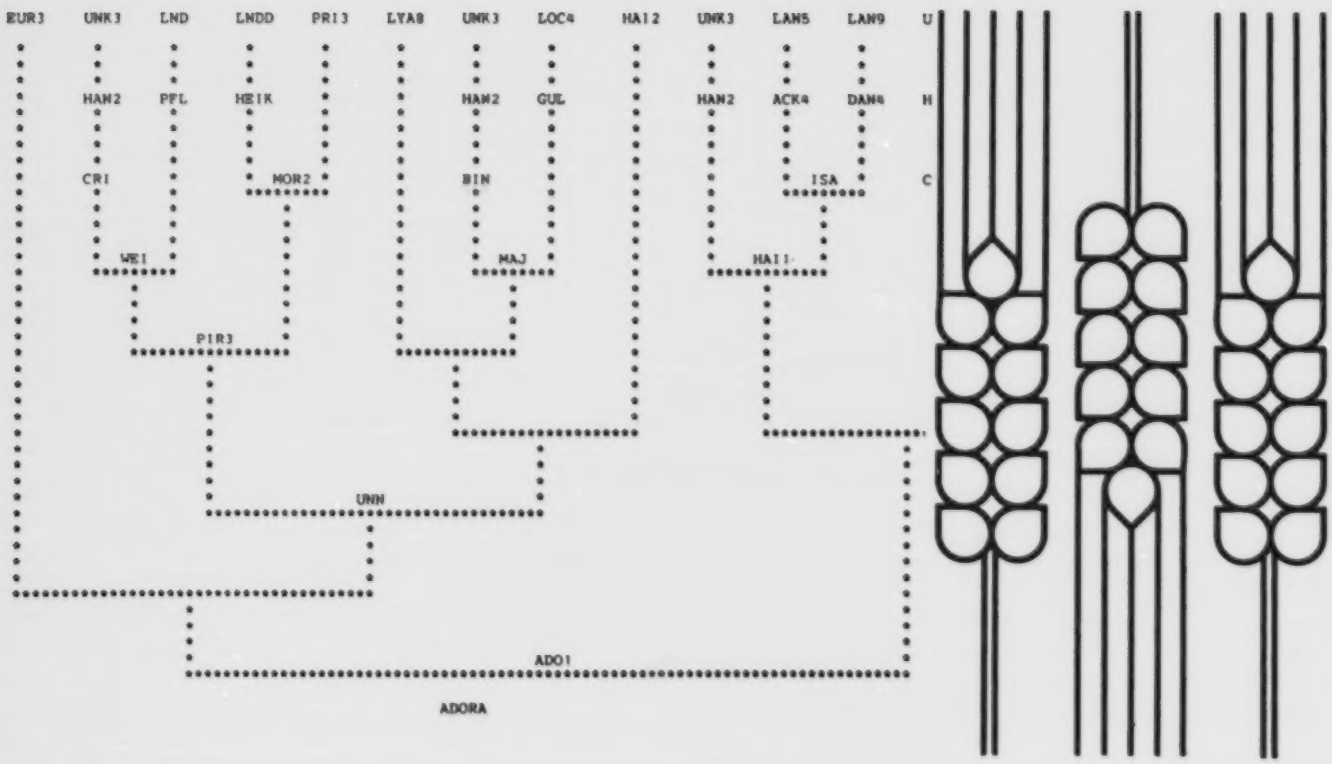
Barley Register

Registre des variétés d'orge



Agriculture Canada

Barley Register

Registre des variétés d'orge

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Publication 1783/B
1985

Publication 1783/B
1985

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Available in Canada through

Authorized Bookstore Agents
and other bookstores

or by mail from

Canadian Government Publishing Centre
Supply and Services Canada
Ottawa, Canada, K1A 0S9

Catalogue No. A53-1783/1985
ISBN 0-660-53003-1

Canada: $40.00
Other countries: $48.00

Price subject to change without notice.

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En vente au Canada par l'entremise de nos

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Centre d'édition du gouvernement du Canada
Approvisionnements et Services Canada
Ottawa, (Canada) K1A 0S9

N° de catalogue A53-1783/1985
ISBN 0-660-53003-1

au Canada: $40.00
à l'étranger: $48.00

Prix sujet à changement sans préavis.

Canadian Cataloguing in Publication Data

Baum, Bernard R., 1937 -

Barley register = Registre des variétés d'orge

(Publication ; 1783B)

Text in English and French in parallel columns. Includes bibliographical references.

1. Barley — Varieties. 2. Barley — Nomenclature.
3. Barley — Geographical distribution. I. Bailey, L. Grant. II. Thompson, B. K. III. Canada. Agriculture Canada. IV. Title. V. Title: Registre des variétés d'orge. VI. Series: Publication (Canada. Agriculture Canada). English ; 1783B).

SB191.B2B3 1985 633.1'67 C85-097203-5E

Données de catalogage avant publication (Canada)

Baum, Bernard R., 1937 -

Barley register = Registre des variétés d'orge

(Publication ; 1783B)

Texte en anglais et en français sur 2 col. Comprends des références bibliographiques.

1. Orge — Variétés. 2. Orge — Nomenclature.
3. Orge — Distribution géographique. I. Bailey, L. Grant. II. Thompson, B. K. III. Canada. Agriculture Canada. IV. Titre. V. Titre: Registre des variétés d'orge. VI. Collection: Publication (Canada. Agriculture Canada). Français ; 1783B.

SB191.B2B3 1985 633.1'67 C85-097203-5F

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FOREWORD AND ACKNOWLEDGMENTS

This publication could not have been completed without the help of many individuals who kindly responded to our request for comments and information pertaining to our *Barley register (a first report)* published in the end of December 1981. The foreword to that report is reproduced below.

"For the past several years we have been compiling information pertaining to barley cultivars. This provisional publication, intended chiefly for barley breeders and for barley breeding and research establishments, represents the results to date. Our literature search and the up-dating of the computer files continue at a steady pace, with the aim of producing a comprehensive registry of barley cultivars on a world-wide scale.

"At this stage, we appeal to our readers for comments or criticisms (or both) pertaining to this publication. In particular, we would appreciate receiving any additional or contradictory information regarding the barley cultivars that you believe would help us in preparing the registry. Furthermore, we welcome your thoughts on the format of the registry. For example, do you find the tables of coefficients of parentage and inbreeding useful? Your cooperation will help us in producing a registry that is as complete and as accurate as possible for the final report.

"We believe that the information contained here, and certainly in the final report, will be indispensable to the various national registration authorities and perhaps, eventually, will be used by an international authority for barley cultivars, an organization that we hope will be established in the near future."

We also included a letter to individual recipients of the *First report* carrying more explicit requests. A reminder was subsequently sent to those who had not replied by the end of 1982.

The list of collaborators is too large to incorporate here. We express our great indebtedness to all the respondents. We thank also Theresa M. Vanasse, M. C. Brown, and B. R. Ferguson of the Engineering and Statistical Research Institute, for their help and devotion to this work; without them this work could not have been accomplished. Two other colleagues from the same institute helped at the later stages: W. C. White and R. W. Spooner. We are grateful to D. R. Sampson, Ottawa Research Station, for his chapter on the coefficient of parentage following this introduction.

The task of updating needs to be undertaken, preferably by an office recognized and supported officially for this purpose. Ideally such an office would be an international authority for barley cultivars. Such an authority would also be responsible for activities other than those specifically concerning registration on a world-wide basis.

AVANT-PROPOS ET REMERCIEMENTS

Nous n'aurions pas pu terminer la présente publication sans l'aide des nombreuses personnes qui ont répondu à notre demande de commentaires et d'information au sujet de notre *Barley register (a first report)*, publié à la fin de décembre 1981. L'avant-propos qui accompagnait le « First Report » est présenté ci-dessous traduit de l'anglais.

« Nous compilons l'information sur les cultivars d'orge depuis plusieurs années. Cette publication, de nature provisoire et destinée principalement aux sélectionneurs d'orge et aux établissements de recherches et de sélection d'orge, présente les résultats obtenus jusqu'à maintenant. Nous poursuivons sans relâche notre recherche documentaire ainsi que la mise à jour des fichiers mécanographiques afin de produire un registre exhaustif des cultivars d'orge dans le monde.

« Nous faisons appel à vous, lecteurs, pour que vous nous fassiez parvenir vos commentaires ou vos critiques au sujet de la présente publication. Nous souhaitons tout particulièrement recevoir de l'information additionnelle ou contradictoire sur les cultivars d'orge qui, selon vous, pourrait nous aider à établir le registre. De plus, nous recevrons avec plaisir toutes vos suggestions sur la présentation du registre. Par exemple, trouvez-vous utiles les tableaux des coefficients de parenté et de consanguinité? Grâce à votre collaboration, nous pourrons établir, pour le rapport final, un registre aussi exhaustif et précis que possible.

« Nous croyons que l'information présentée ici, et bien entendu dans le rapport final, s'avérera indispensable pour les divers organismes d'homologation nationaux et sera peut-être utilisée par un organisme international d'homologation des variétés d'orge, dont nous souhaitons l'établissement dans un proche avenir. »

Nous avons également fait parvenir à ceux qui ont reçu le *First report* un questionnaire plus détaillé. Une note de rappel a été envoyée subséquemment à ceux qui n'avaient pas encore répondu à la fin de 1982.

Nos collaborateurs sont trop nombreux pour que nous puissions tous les nommer. Nous sommes grandement redevables à tous les répondants. Nous voulons aussi remercier Theresa M. Vanasse de l'Institut de recherches techniques et statistiques, M.C. Brown de la section de la recherche statistique et B.R. Ferguson pour leur aide et leur dévouement; sans eux, nous n'aurions pas pu mener à terme le présent ouvrage. Deux autres collègues, W.C. White et R.W. Spooner, nous ont aidés dans les dernières étapes. Nous sommes également reconnaissants à D.R. Sampson de la station de recherches à Ottawa qui a rédigé le chapitre sur le coefficient de parenté qui fait suite à l'introduction.

Most of the suggestions received and criticisms obtained were taken into serious consideration and then incorporated by modifications, additions, and deletions, or answered if we were unable to use them. Some of the considerations have been mentioned in the following introduction. Thus, for instance, as requested by some respondents, we arranged pedigrees in alphabetic order and provided page numbers and reference to those in the index.

This register is not complete, even though we report on 7600 names, because not all the information was available when we sent the register to press. Some information is lost forever, or alternatively the originator of some cultivars cannot be reached, or has not yet provided the relevant data.

Le travail de mise à jour doit être exécuté, de préférence, par un organisme reconnu et établi officiellement à cette fin. Idéalement, un tel organisme devrait être international et diriger les activités autres que celles visant en particulier l'homologation des cultivars d'orge à l'échelle mondiale.

Nous avons étudié avec soin la plupart des suggestions et des critiques qui nous ont été faites et en avons tenu compte en ajoutant, en retranchant ou en modifiant des passages. Dans les cas où il nous était impossible de prendre en considération les remarques des répondants, nous en avons expliqué le motif aux auteurs. Certaines des modifications apportées sont mentionnées dans l'introduction. Ainsi, à la demande de certains répondants, nous avons énuméré les généalogies dans l'ordre alphabétique et fourni les numéros des pages et les références qui correspondent aux généalogies figurant dans l'index.

Le présent registre n'est pas complet bien que nous signalions 7 600 noms, car nous ne disposions pas de toute l'information lors de sa mise sous presse, soit qu'une partie de l'information soit perdue à tout jamais, soit que le créateur de certains cultivars n'ait pas pu être rejoint ou n'ait pas encore fourni les données pertinentes.

INTRODUCTION

Two decades ago G. H. M. Lawrence stated that because of the rapid increase in interchange of cultivars between countries, the registration of cultivar names for the plants of any given genus or homogeneous group must be international — the days are gone when we can concern ourselves only with plants that we grow and trade within our own country (Lawrence 1965). Lawrence's observation is even more relevant today, because the rate of increase has accelerated since then. Registration of the major genera of cultivated plants (ornamentals more so than other economic crops) now operates by international agreement. Those agreements by which cultivar names are registered appear in the *International code of nomenclature of cultivated plants* (Brickell et al. 1980).

For specific groups of cultivated plants, the International Registration Authorities (IRA) are officially recognized by the International Commission for the Nomenclature of Cultivated Plants. No such authority exists for barley (*Hordeum*) cultivars. The register documented herein is an attempt to contribute material essential for the establishment of an international registration authority. This register should prove to be a useful and authoritative reference for national regulatory bodies; countries that are members of UPOV (International Union for the Protection of New Varieties of Plants); and countries that have implemented plant breeders' rights.

This register should be most useful to individuals, breeders, and others working in barley research and commercial production. It is intended as a comprehensive source of information relating to the various barley cultivars.

A number of questions about the register come to mind. What are the desirable characteristics of an international register? How can it meet the various needs of those involved with barley cultivars? What can we do to meet these needs? What kinds of problems did we encounter in this work? We shall address these questions in the sections that follow.

DESIRABLE CHARACTERISTICS OF A REGISTER

A register of cultivars should include as much information as possible to fulfill the needs of breeders, scientists, and merchants who deal with a particular group of cultivated plants. We believe the following information is desirable.

A list of cultivar names that have been published in accordance with the *International code of nomenclature of cultivated plants* (Brickell et al. 1980). This list should be as complete as possible, because some names may relate to ancestors of existing cultivars.

INTRODUCTION

Il y a deux décennies, G.H.M. Lawrence affirmait que, en raison de l'accroissement rapide des échanges de cultivars entre les pays, il fallait que l'homologation des noms de cultivars appartenant à un genre donné ou à un groupe homogène se fasse à l'échelle internationale. « L'époque est révolue où nous pouvions nous préoccuper seulement des plantes que nous cultivions localement et dont nous faisions le commerce dans notre propre pays », écrivait-il en 1965. De nos jours, cette remarque est encore plus pertinente, car le rythme d'accroissement des échanges a augmenté depuis ce temps-là. L'homologation des principaux genres de plantes cultivées (davantage les plantes ornementales que d'autres cultures de grande importance économique) se fait maintenant par voie d'entente internationale. Ces ententes qui homologuent les noms des cultivars figurent dans le *Code international de nomenclature des espèces végétales cultivées* (Brickell et coll., 1980).

Pour certains groupes de plantes cultivées, la Commission internationale pour la nomenclature des espèces végétales cultivées reconnaît officiellement les organismes d'homologation internationaux. Cependant, aucun organisme de ce genre n'existe pour les cultivars d'orge (*Hordeum*). Nous cherchons, en présentant ce registre, à contribuer à l'établissement éventuel d'un tel organisme d'homologation international. Ce registre devrait s'avérer un document utile et faisant autorité auprès des organismes d'homologation nationaux, auprès des pays membres de l'Union internationale pour la protection des obtentions végétales (UPOV) et des pays qui reconnaissent les droits des sélectionneurs.

Le registre devrait être surtout utile aux particuliers, aux sélectionneurs et à ceux qui font de la recherche sur l'orge ou qui s'occupent de sa production commerciale. Espérons qu'il sera une source exhaustive d'information sur les diverses variétés d'orge.

Un certain nombre de questions concernant le registre nous viennent à l'esprit. Quelles sont les caractéristiques souhaitables d'un catalogue international? Comment peut-il satisfaire les divers besoins de ceux qui s'occupent des cultivars d'orge? Que pouvons-nous faire pour satisfaire ces besoins? Quels genres de problèmes avons-nous eus pendant la rédaction de cet ouvrage? Nous répondons à ces questions dans les sections qui suivent.

CARACTÉRISTIQUES SOUHAITABLES D'UN REGISTRE

Un registre des variétés devrait contenir autant d'information que possible permettant de satisfaire les besoins des sélectionneurs, des chercheurs et des négociants qui s'occupent d'un groupe particulier de plantes

According to the *Code* (Article 44), the valid publication of cultivar names begins as follows: (a) with a list designated by an international registration authority; (b) when no such authority exists, with a publication adopted by the International Commission for the Nomenclature of Cultivated Plants, after consultation with appropriate organizations; or (c) in the absence of (a) and (b), with Philip Miller's *The gardeners dictionary* (1752).

A record of the synonyms for each name, including commercial synonyms, translations, and transliterations. These should be cross-referenced in the register to assist in assessing the correct name for a particular cultivar.

The pedigree of each cultivar, with the breeding history traced as far back as possible. The pedigree can be effectively presented as a dendrogram, a chart that readily enables the tracing of particular genes or traits to a particular ancestor, or as a computation of measures of relatedness between cultivar pairs as, for example, the coefficients of common parentage and inbreeding (p. 13, Section III). The pedigree serves as a useful source of information not only for breeding but for other interests as well, for example, the classification of gene pool material of cultivars and pedigree analysis.

A list of the main references for each cultivar name. These references should include information regarding registration, descriptions in different countries, performance, test data, susceptibility to diseases, distribution, and uses. It might also be useful to order the references chronologically to assist, for example, in finding the earliest or latest publications.

Some measure of the relative contribution of ancestors to each of the recent cultivars and a measure of the degree of inbreeding. These measures are not essential to the register, because they can be calculated directly from the relevant pedigree charts, but because the task will be laborious for the more complicated pedigrees, we believe they should be included for convenience. See also the special chapter written by Sampson for this Introduction and entitled "Introduction to the coefficient of parentage."

As suggested by the *International code of nomenclature of cultivated plants*, Appendix g, p. 26 (Brickell et al. 1980), a description of each cultivar. The description would be particularly useful when invariant characters exist for the cultivar.

The value of cultivar descriptions in a register is usually open to question. Although invariant characters certainly exist for some cultivars, other characters vary widely, even within a country. By following the UPOV (1973, 1979) guidelines, it is difficult to see how a cultivar could be described adequately for its area of distribution. How would the variability be expressed and used to distinguish it from other cultivars? A description of the cultivar at date of issue, when variability is extremely controlled and the popu-

cultivées. Selon nous, les renseignements suivants sont souhaitables:

Une liste des noms des cultivars, publiée selon le *Code international de nomenclature des espèces végétales cultivées* (Brickell et coll., 1980). Cette liste doit être aussi complète que possible, car certains noms peuvent correspondre aux ascendants de cultivars existants. Selon le Code (article 44), la publication valable des noms des cultivars doit être constituée de la façon suivante: a) une liste établie par un organisme d'homologation international; b) en l'absence d'un tel organisme, une liste adoptée par la Commission internationale pour la nomenclature des espèces végétales cultivées, après consultation avec les organismes appropriés; ou c) en l'absence des alinéas a) et b), une liste tirée de *The gardeners dictionary* de Philip Miller.

Une liste des synonymes pour chaque nom, y compris les synonymes commerciaux, les traductions et les translittérations. Ces synonymes doivent faire l'objet de renvois afin que le lecteur puisse trouver le nom correct pour une variété donnée.

La généalogie de chaque cultivar, pourvue d'une histoire généalogique des croisements remontant aussi loin que possible. Une présentation efficace de la généalogie peut se faire à l'aide d'un dendogramme, tableau permettant de faire correspondre facilement les gènes responsables de traits particuliers à un ancêtre précis, ou à l'aide d'une mesure du degré de parenté entre des paires de cultivars comme, par exemple, les coefficients de parenté ou les coefficients de consanguinité (p. 14 Section III.) Les généalogies sont une source utile d'information non seulement pour la sélection, mais aussi pour d'autres activités telles que le classement du matériel génétique des cultivars et l'analyse généalogique.

Une liste des principaux ouvrages de références pour chaque nom de cultivar. Ces ouvrages de références doivent contenir de l'information sur l'homologation, les descriptions du cultivar dans différents pays, le rendement, les épreuves administrées au cultivar, la résistance aux maladies, la répartition géographique et les utilisations. Il peut être utile également de mettre ces ouvrages de références dans l'ordre chronologique afin d'aider le lecteur à trouver les publications les plus anciennes ou les plus récentes.

Une certaine mesure de la contribution relative des ascendants de chacun des cultivars récents et une mesure du degré de consanguinité. Ces mesures ne sont pas essentielles au registre, car on peut les établir directement à partir des tableaux généalogiques pertinents; toutefois, comme cette tâche est davantage difficile pour les généalogies plus complexes, nous croyons qu'il faut inclure ces mesures pour des raisons de commodité. Le lecteur est prié de consulter le chapitre spécial rédigé par Sampson pour la présente introduction et intitulé « Introduction au coefficient de parenté ».

Une description de chaque cultivar, comme il est proposé dans le *Code international de nomenclature*

lation is relatively small, is not enough. It is perhaps not surprising that, to date, there are no standards of cultivar description that are accepted on a world-wide basis.

In our view, the main goal of cultivar taxonomy is to be able to distinguish one cultivar from another. Where the cultivar descriptions are only a part of the input, identification schemes for cultivars of each crop type are needed. Baum (1981) has reviewed some of the attempts made in this direction, most of which are still far from reaching the desired goal. One promising approach that might assist in cultivar discrimination is the application of modern techniques of data acquisition in combination with powerful multivariate analytical methods. Some research has been done in this area (Baum and Brach 1975; Baum and Thompson 1976; Greenhalgh and Baum 1980; Baum et al. 1980).

"Finger printing" of cultivars using zymograms is another approach to solving the identity of cultivars. This approach has become increasingly fashionable (Bushuk and Zillman 1978; Bassiri 1976; McCausland and Wrigley 1977; Scriban and Strobbel 1978) but its practicability and reliability have yet to be assessed in view of its limitations. Polymorphisms and variability are not usually taken into account in such an approach. Only a low proportion of allelic variation may be detectable by standard electrophoresis. Furthermore, many authors have shown that the use of different techniques can radically alter results (Thorpe 1982). Moreover, substitution rates may vary between loci. Avise (1974) lists some advantages as well as some disadvantages, but stresses that electrophoretic and classical approaches should be used in concert.

According to McIntyre (1982), speciation and structural gene evolution are essentially unrelated on the basis of recent available evidence. This has strong implications, because there appears to be a paucity of cases in which selection coefficients have been associated by enzyme polymorphisms. Furthermore, McIntyre suggests that, for other reasons as well, regulatory genes play a significant role and ought to be critically researched before reaching conclusions.

The plant variety protection acts in various countries require that a new variety be distinct, uniform, and stable. Most of the breeders in countries that have plant breeders' rights agree that a cultivar that clearly differs by at least one morphological, physiological, or other character is distinct; and a cultivar that remains unchanged in its essential distinctive characteristics after reproduction is stable.

However, there is disagreement about the meaning of uniformity. The broadest definition comes from the United States (United States Department of Agriculture 1973), which recognizes that uniformity is unaffected by variation that is describable, predictable, and commercially acceptable. From France, however, comes the insistence that homogeneity must be total for the characters considered (Journal Officiel 1970).

des espèces végétales cultivées (annexe g, p. 26) (Brickell et coll., 1980). Une telle description peut être particulièrement utile lorsque le cultivar est doté de caractères non fluctuants.

La valeur des descriptions des cultivars, dans un registre, est généralement discutable. Bien que certains cultivars soient dotés sans aucun doute de caractères non fluctuants, ils possèdent également d'autres caractères qui varient grandement, même dans un pays. Si l'on suit les lignes directrices de l'UPOV (1973, 1979) à ce sujet, il est difficile d'imaginer comment on pourrait décrire correctement un cultivar du point de vue de sa répartition géographique. Comment pourrait-on exprimer la variabilité d'un cultivar et utiliser cet élément pour le distinguer d'autres cultivars? Il ne suffit sûrement pas de donner une description du cultivar au moment de sa création, car sa variabilité est alors extrêmement restreinte et sa population relativement petite. Il n'est donc pas étonnant que, jusqu'à maintenant, il n'y ait pas de normes agréées pour la description des cultivars sur une échelle mondiale.

Selon nous, le but principal de la taxinomie des cultivars est de nous permettre de distinguer un cultivar d'un autre cultivar. Lorsque les descriptions des cultivars ne forment qu'une partie des données, il faut fournir des schémas d'identification pour les cultivars de chaque genre de culture. Baum (1981) a passé en revue certains des efforts faits dans cette direction, et la plupart sont encore bien loin du but visé. Une démarche prometteuse qui pourrait nous aider à faire la distinction entre les cultivars réside dans l'application des techniques modernes de saisie des données combinée à l'utilisation de méthodes efficaces d'analyse multivariée. Certaines recherches ont été faites dans ce domaine (Baum et Brach, 1975; Baum et Thompson, 1976; Greenhalgh et Baum, 1980; Baum et coll., 1980).

L'identification des cultivars à l'aide de zymogrammes est une autre façon d'établir l'identité des cultivars. Les zymogrammes connaissent une vogue croissante (Bushuk et Zillman, 1978; Bassiri, 1976; McCausland et Wrigley, 1977; Scriban et Strobbel, 1978), mais il reste encore à évaluer leur praticabilité et leur fiabilité compte tenu de leurs limites. Généralement, l'identification des cultivars à l'aide de zymogrammes ne prend pas en considération le polymorphisme et la variabilité. Seule une faible proportion de la variation allélique peut être décelée par les méthodes courantes d'électrophorèse. En outre, de nombreux auteurs ont montré que l'utilisation de différentes techniques peut modifier radicalement les résultats (Thorpe, 1982). De plus, les taux de substitution entre les loci peuvent varier. Avise (1974) énumère certains avantages ainsi que certains désavantages des méthodes utilisées et insiste sur le fait qu'il faut utiliser conjointement les méthodes classiques et l'électrophorèse.

Selon McIntyre (1982), les données les plus récentes montrent que la spéciation et l'évolution des gènes de structure sont essentiellement non reliées. Cette théorie comporte des répercussions importantes,

There are many conceptual and operational problems associated with these requirements. Most countries tend to overlook them and adopt an Aristotelian approach to classification, that is, each cultivar can be allocated to its own appropriate and distinct slot. In reality, however, the same cultivar can be grown in various countries and habitats; consequently, variation is to be expected, owing to inherent genetic variability and to different expressions of the same genes. The variability should be considered a natural phenomenon, the degree being the important consideration.

The recommendations of the *International code of nomenclature of cultivated plants* (Brickell et al. 1980) and of UPOV regarding descriptions are not going to help remedy the present unsatisfactory situation, at least for barley cultivars. Multivariate techniques may help to achieve UPOV's goal (1973, 1979), which we endorse.

DESCRIPTION, PROBLEMS, AND PROSPECTS OF THIS REGISTER

The computer system used here was originally developed for a register of oat cultivars (Baum 1973; Baum and Thompson 1970). Modifications for the barley register include a bibliography and tables of coefficients of inbreeding (Thompson and Baum 1978). The methods of data acquisition and input to the system continued to evolve as the literature search proceeded and the data base grew. The following is a brief description of the various types of **output.**

Section I Index

An index of cultivar names. This index has been made as complete as possible. Each cultivar is usually referred to by a four-character code (or acronym) consisting of the first three letters of the cultivar's name, followed by a fourth character to distinguish between cultivars whose first three letters are identical. The length of the codes was chosen for compatibility with the four-byte word of the IBM computer systems. The cultivar names are arranged alphabetically according to their names. We have also provided an index to the codes because the codes are used in the pedigree charts, in the tables of coefficients of inbreeding, and in the index (to indicate cross-references, synonyms, translations, and transliterations).

All names encountered in the literature search have been incorporated into the index. For the purpose of this work, one of the cultivar names has been designated the primary name. This name is not intended to imply correctness; the responsibility for determining the correct name rests with a registration authority. When it becomes obvious that a particular name is too long, that it does not conform to Article

car il semble y avoir très peu de cas où les coefficients de sélection ont été associés au polymorphisme des enzymes. De plus, McIntyre propose que, pour d'autres raisons également, les gènes régulateurs jouent un rôle significatif et qu'il faudrait faire de la recherche à leur sujet avant de tirer des conclusions.

Les lois de divers pays sur la protection des obtentions végétales stipulent qu'une nouvelle variété doit être distincte, homogène et stable. Dans les pays qui reconnaissent les droits des sélectionneurs, la plupart de ceux-ci s'accordent généralement pour dire qu'un cultivar est distinct s'il diffère nettement d'un autre par au moins un caractère morphologique, physiologique ou autre et qu'il est stable si ses caractères distinctifs essentiels demeurent inchangés après la reproduction.

Cependant, la notion d'homogénéité prête à controverse. La définition la plus large est celle des États-Unis (ministère de l'Agriculture des États-Unis, 1973) qui reconnaît que l'homogénéité n'est pas entachée par une variation descriptible, prévisible et commercialement acceptable. La France, par ailleurs, insiste sur le fait que l'homogénéité doit être totale pour les caractères considérés (Journal officiel, 1970).

De nombreuses difficultés d'ordre conceptuel et opérationnel sont liées à ces exigences. La plupart des pays ont tendance à les négliger et à adopter la méthode aristotélicienne pour le classement, c'est-à-dire à attribuer une place distincte pour chaque cultivar. Dans la réalité, cependant, la même variété peut être cultivée dans divers milieux; par conséquent, on doit s'attendre à une certaine variation, attribuable à la variabilité génétique inhérente et aux différentes expressions des mêmes gènes. On devrait considérer la variabilité comme un phénomène naturel; seul le degré de cette variabilité est important.

Les recommandations contenues dans le *Code international de nomenclature des espèces végétales cultivées* (Brickell et coll., 1980) et établies par l'UPOV au sujet de la description des cultivars ne sont pas faites pour remédier à la présente situation qui est insatisfaisante, du moins pour les variétés d'orge. Il se peut que les techniques d'analyse multivariée aident à atteindre l'objectif (1973, 1979) de l'UPOV, objectif que nous partageons totalement.

DESCRIPTION, PROBLÈMES ET POSSIBILITÉS DU REGISTRE

Le système informatique utilisé dans le cas présent a été développé à l'origine en vue de l'établissement d'un catalogue des cultivars d'avoine (Baum, 1973; Baum et Thompson, 1970). Les modifications apportées dans le cas de l'orge comprennent une bibliographie et des tableaux des coefficients de consan-

30 of the *International code of nomenclature of cultivated plants* (Buckell et al. 1980), or that it is not in general use, the name is still included in the index, but as a synonym for the primary name. For example, 'Ackerman's Isaria' appears in the index as well as 'Isaria', with the former treated as a synonym. This action is taken only after sufficient justification is found in the literature. References are cited for each cultivar name, but only the primary name is used in the pedigrees.

The names of some strains are also listed, either because they appear in pedigrees or because they represent cultivars that were never named in compliance with the *International code of nomenclature of cultivated plants* (Brickell et al. 1980). Such cases usually antedate the *Code*; 'Weihanstephaner ST 409/250' is an example.

Early Spanish cultivar names, cited in the *First report*, have been lost for some time according to one of our correspondents. We decided to keep them, and even added a few more, for historical value and because some are still kept in collections, for example, USDA.

An asterisk (*) between the code name and the full name in the index indicates that pedigree information is available for the cultivar. Further details concerning pedigrees are given on page 13, Section II.

References for a cultivar name. These are listed by number. The number indicates the relative position of its citation in the bibliography. At least one reference is given for every cultivar name. References relate to the specific name; to obtain a complete list of references for a cultivar, all versions of the name, that is, synonyms and translations, should be consulted.

Synonyms for cultivar names. Each synonym is listed by its code, followed by a number indicating the key reference used in deciding that the cultivar name and the synonym refer to the same taxon. In some instances, the names are given explicitly as synonyms in the literature; in others, they can be inferred to be synonyms in the literature; in still others, they can be inferred to be synonymous only after comparing the pertinent references. Names that we are convinced are synonymous as well as possible synonyms are indicated here.

There are several types of synonyms represented in the index. In many cases, the same cultivar will be referred to by several variations of the same name — 'Mullers Frankonia' and 'Drossenfeder Frankonia', for example, are known by the shorter 'Frankonia'. Sometimes differences in spelling lead to synonyms, for example, 'Chevalier' and 'Chevallier' for the same cultivar. The most difficult type of synonym to verify is the one for which the name has been completely changed. Unless the change has been documented, the possibility that the names are synonyms must remain largely conjecture. There are instances where different cultivars, for example, 'Gold' (in Sweden, 1926)

guinité (Thompson et Baum, 1978). Les méthodes de saisie et d'introduction des données ont passé par une série de transformations à mesure que nous procédions à la recherche documentaire et que la base de données augmentait. Dans les paragraphes suivants, nous présentons une brève description des divers genres de résultats obtenus.

Section I — Index

Index des noms des cultivars. Cet index est aussi complet que possible. Le nom de chaque cultivar est généralement présenté sous forme d'un code de quatre lettres (ou acronyme), dont les trois premières sont celles du nom du cultivar, suivies d'une quatrième lettre permettant de faire la distinction entre des cultivars dont les trois premières lettres du nom sont identiques. Nous avons établi à quatre lettres la longueur de code en raison de sa compatibilité avec le mot de quatre octets des systèmes informatiques d'IBM. Les noms des cultivars sont présentés dans l'ordre alphabétique. Nous avons également inclus un index des codes étant donné que ces derniers figurent dans les tableaux généalogiques, dans les tableaux des coefficients de consanguinité et dans l'index (pour les renvois, les synonymes, les traductions et les translittérations).

Tous les noms révélés par notre recherche documentaire ont été inscrits dans l'index. Pour les besoins du présent ouvrage, nous avons désigné un des noms du cultivar comme nom principal. Cela ne signifie pas que le nom principal est nécessairement correct; le choix du nom correct est la responsabilité d'un organisme d'homologation. Lorsque nous constatons qu'un nom est trop long, qu'il n'est pas conforme à l'article 30 du *Code international de nomenclature des espèces végétales cultivées* (Brickell et coll., 1980) ou qu'il n'est pas utilisé couramment, nous l'incluons tout de même dans l'index, mais en tant que synonyme du nom principal. À titre indicatif, 'Ackerman's Isaria', tout comme 'Isaria', figure dans l'index, mais le premier nom est considéré comme un synonyme. Nous ne prenons une telle décision qu'après une recherche documentaire suffisamment étoffée. Nous donnons des références pour chaque nom de cultivar, mais seul le nom principal figure dans les généalogies.

Nous énumérons aussi les noms de certaines lignées, soit parce qu'elles figurent dans les généalogies soit parce qu'elles représentent des cultivars qui n'ont jamais reçu de nom conforme au *Code international de nomenclature des espèces végétales cultivées* (Brickell et coll., 1980). En général, les cas de ce genre sont antérieurs à l'établissement du Code. 'Weihanstephaner ST 409/250' en est un exemple.

Les noms des premiers cultivars espagnols cités dans le *First report* ont disparu depuis un certain temps, selon un de nos correspondants. Nous avons décidé de les énumérer tout de même et nous en avons même ajouté quelques-uns en raison de leur valeur historique et parce que certains figurent encore dans des

and 'Gold' (in Germany, 1973), have been given the same name. These, too, are listed as synonyms to indicate the multiple use of the name.

Translations and transliterations of cultivar names. These are listed by cultivar code. A translation, as one would expect, is the same name but in a different language. For example, the English 'Victory' is translated in German as 'Seger' and in French as 'Victoire'; all represent the same cultivar. Transliterations, as used in this study, are variations in spelling arising from the translation from one alphabet to another. Thus, for example, 'Bravarnyi PZHR' is a direct representation of the Russian script and refers to a cultivar designated elsewhere as 'Browarny PZHR'. Both translations and transliterations are shown under the heading "Translations" in the list. It might be added that the distinction between synonyms, translations, and transliterations is not always clear-cut.

The code for the translation or transliteration is followed by a three-letter code in parentheses representing the language from which it was derived. These codes are as follows:

Codes for languages and translations

No.	*Code*	*Language*
1	AFR	AFRIKAANS
2	ALB	ALBANIAN
3	ARA	ARABIC
4	BUL	BULGARIAN
5	CHI	CHINESE
6	DAN	DANISH
7	DUT	DUTCH
8	EST	ESTONIAN
9	FIN	FINNISH
10	FRE	FRENCH
11	GAE	GAELIC
12	GER	GERMAN
13	HEB	HEBREW
14	HUN	HUNGARIAN
15	ITA	ITALIAN
16	JAP	JAPANESE
17	POL	POLISH
18	POR	PORTUGUESE
19	RUM	ROMANIAN (RUMANIAN)
20	RUS	RUSSIAN
21	SLO	SLOVAK
22	SPA	SPANISH
23	SWE	SWEDISH
24	TUR	TURKISH
25	UKR	UKRAINIAN
26	WEL	WELSH
27	NOR	NORWEGIAN
28	CZE	CZECH
29	ENG	ENGLISH

collections, par exemple celle du ministère de l'Agriculture des États-Unis.

L'astérisque entre le nom codé et le nom complet signifie que des renseignements généalogiques sont fournis pour le cultivar en question. Le lecteur trouvera plus de détails au sujet des généalogies (p. 14, Section II).

Références relatives à un nom de cultivar. Les références sont présentées dans l'ordre numérique, chaque numéro correspondant à la position de la référence dans la bibliographie. Il y a au moins une référence pour chaque nom de cultivar. Les références se rapportent à un nom précis; afin d'obtenir une liste complète des références pour un cultivar donné, il faut consulter toutes les versions du nom de ce cultivar, soit les synonymes et les traductions.

Synonymes des noms des cultivars. Chaque synonyme est énuméré sous sa forme codée, suivie d'un nombre indiquant la référence clé qui nous a permis de décider que le nom du cultivar et le synonyme correspondaient au même taxon. Dans certains cas, les noms sont donnés explicitement comme synonymes dans les documents; dans d'autres cas, ils sont donnés implicitement comme synonymes; enfin, dans d'autres cas encore, nous pouvons conclure qu'il s'agit de synonymes seulement après avoir comparé les références pertinentes. Nous énumérons autant les noms dont nous sommes sûrs qu'ils sont synonymes que les synonymes possibles.

Plusieurs genres de synonymes sont représentés dans l'index. Dans de nombreux cas, le nom d'un cultivar se prête à diverses versions. Par exemple, 'Mullers Frankonia' et 'Drossenfeder Frankonia' sont connus sous le nom plus court de 'Frankonia'. Parfois, des épellations différentes donnent lieu à des synonymes, par exemple: 'Chevalier' et 'Chevallier'. Le genre de synonyme dont la vérification est la plus difficile est celui pour lequel le nom du cultivar a complètement changé. À moins que le changement de nom n'ait été mentionné dans un document, l'établissement de synonymie entre des noms est une simple conjecture. Il y a des cas où l'on a donné le même nom à des cultivars différents, par exemple: 'Gold' (en Suède, 1926) et 'Gold' (en Allemagne, 1973). Nous incluons également ces cas dans les synonymes afin de montrer l'utilisation multiple d'un nom.

Traductions et translittérations des noms des cultivars. Les traductions et les translittérations sont énumérées sous leur forme codée. Comme on peut s'y attendre, une traduction est le même nom, mais dans une langue différente. Par exemple, 'Victory', en anglais, devient 'Seger' en allemand et 'Victoire' en français; tous ces noms représentent le même cultivar. Les translittérations, dans le cadre de la présente étude, sont des variations dans l'épellation qui proviennent de la transcription du nom d'un alphabet à un autre. À titre indicatif, 'Bravarnyi PZHR' est une transcription directe du nom russe et fait référence à un cultivar désigné ailleurs comme 'Browarny PZHR'. Tant les traductions

Cross-references. The most up-to-date pedigree information has been maintained only for the primary names, as defined by Brickell et al. (1980, p. 6(1)). In order to provide a cross-reference to the primary name, each cultivar name representing a synonym or translation has a "see also" list, which gives the relevant code.

Code index. This index is indispensable for use of the index to cultivar names because reference to synonyms, translations, and transliterations, as well as cross-references, is made using codes of names. This index is also indispensable for interpreting the codes to names in the pedigree charts and in the tables of coefficients of parentage.

Section II Pedigrees

In an attempt to minimize printing costs, the pedigree information appears in two sections: the first gives an alphabetical list of the cultivars that were derived from individual single selections; the second includes the pedigree charts of more complicated ancestries. They are in alphabetical order. Any cultivar name in the index that has an asterisk between it and its code is represented in one of these two sections.

In the pedigree charts, every bifurcation represents a cross, with the female parent on the left and the male on the right. In cases where the sex identity of the parents is not indicated, the order presented in the reference has been adopted. If contradictory information was found in different references, the more precise rendition has been incorporated. Selection alone, whether by mass or by single-plant methods, is represented by a straight line on the pedigree charts. Derivation of a cultivar by radiation or by chemical mutagenesis is denoted as a selection from the source variety with the suffix XR or CM, respectively. When a composite cross has been used, it is listed as a cultivar, with this label followed by specific details, such as its name. Where the code of a parent in one of the earliest bifurcations of a pedigree shows an arrow above, the pedigree of that parent should be consulted for additional information. This step has been taken to abbreviate some of the more extensive pedigrees for printing purposes.

Additional procedures undertaken in producing a cultivar, for example, the number of generations of backcrosses and selections, either in obtaining the cross or in subsequent selections, are beyond the scope of this work and hence are not indicated in the pedigree charts.

Section III Tables

A table of coefficients of parentage and inbreeding is presented on microfiche (in envelope on inside back cover) for each cultivar, with a pedigree involving at least two ancestors. Single-selection pedigrees have been excluded and their coefficient is 0.5. In each table, Malécot's coefficient of parentage (Malécot

que les translittérations figurent sous le mot « Translations » dans la liste. Ajoutons que la distinction entre les synonymes, les traductions et les translittérations n'est pas toujours bien claire.

Le code pour la traduction ou la translittération est suivi d'un code de trois lettres, entre parenthèses, représentant la langue de la traduction ou de la translittération. La liste des codes des langues figure ci-dessous.

Codes des langues et des traductions

No	*Alpha*	*Langue*
1	AFR	AFRIKAANS
2	ALB	ALBANAIS
3	ARA	ARABE
4	BUL	BULGARE
5	CHI	CHINOIS
6	DAN	DANOIS
7	DUT	NÉERLANDAIS
8	EST	ESTONIEN
9	FIN	FINNOIS
10	FRE	FRANÇAIS
11	GAE	GAÉLIQUE
12	GER	ALLEMAND
13	HEB	HÉBREU
14	HUN	HONGROIS
15	ITA	ITALIEN
16	JAP	JAPONAIS
17	POL	POLONAIS
18	POR	PORTUGAIS
19	RUM	ROUMAIN
20	RUS	RUSSE
21	SLO	SLOVAQUE
22	SPA	ESPAGNOL
23	SWE	SUÉDOIS
24	TUR	TURC
25	UKR	UKRAINIEN
26	WEL	GALLOIS
27	NOR	NORVÉGIEN
28	CZE	TCHÈQUE
29	ENG	ANGLAIS

Renvois. Nous avons présenté l'information généalogique la plus à jour seulement pour les noms de cultivars principaux, comme ils sont définis dans la section 1 de la page 6. Afin de permettre le renvoi au nom principal, nous incluons, pour chaque nom de cultivar qui est un synonyme ou une traduction, une liste « See also » qui renvoie au code du nom principal.

Index des codes. L'index des codes est un élément indispensable pour le lecteur qui veut consulter l'index des noms des cultivars, car les synonymes, les traductions et les translittérations, ainsi que les renvois, sont sous forme de codes. L'index des codes est également utile pour interpréter les codes des noms figurant dans les tableaux généalogiques et dans les tableaux des coefficients de consanguinité.

1948) for each pair of cultivars in the pedigree is given in a lower triangular matrix. The entries along the diagonal represent the coefficients of parentage of the cultivars with themselves; in the absence of inbreeding, these will be 0.5. Rows with a code to the left in the 5000s and no cultivar name to the right relate to unnamed crosses, that is, intermediate crosses in a breeding program. The inbreeding coefficient of the cultivar represented by the pedigree chart is given at the bottom of the table. The formulas used in calculating the coefficients were taken from Kempthorne (1957).

Please note the meaning of the coefficients of parentage and inbreeding that are used here. Because the pedigrees do not reflect selection or backcross generations, do not take the computed coefficients literally. This point is discussed in more detail by Thompson and Baum (1978). A coefficient is used mainly as an approximate measure of the parentage of cultivars in a specific pedigree and as a relative measure for comparison between different pedigrees.

A standard approach is taken regarding the basic population in calculating the coefficients, that is, there is assumed to be no inbreeding for those cultivars for which no ancestral information is available. Although this premise may seem questionable in an application involving a self-fertilizing species such as barley, it is well established that the initial barley stock often represented mixtures of large gene pools. Landraces such as 'Manchuria' are examples. Hence, the assumption of no inbreeding is an oversimplification, but any other assumption would be equally suspect. These considerations lead to the values 0.5 as the coefficient of common parentage of a cultivar with itself when one might expect to see 1.0, which is appropriate for total inbreeding. For further explanation, refer to commentaries written by D. R. Sampson, immediately following this introduction.

Note that some tables for the larger pedigrees are printed on several pages.

Section IV Literature cited in the register

The references indicated in the list of names are cited in full in this section. The entries are arranged in a conventional bibliographical manner. The relative position of each entry in the references is given on the left; this number serves as a marker by which the citations are designated in the index and should provide the user with a convenient method of finding the sources of more detailed information.

The list of citations serves as a data bank of published information for each cultivar in the register. Readers may consult the pertinent literature for a description of a specific cultivar on which data are not included explicitly in the register (such as disease resistance, distribution, or yield).

Section II — Généalogies

Afin de réduire au minimum les frais d'impression, l'information généalogique est présentée dans deux sections. Dans la première section, on trouve une liste alphabétique des cultivars obtenus de sélections uniques individuelles. Dans la seconde section, on trouve les tableaux généalogiques des cultivars ayant une ascendance davantage complexe. L'ordre alphabétique y est également respecté. À tout nom de cultivar figurant dans l'index et flanqué d'un astérisque correspond une généalogie, dans une des deux sections.

Dans les tableaux généalogiques, chaque bifurcation représente un croisement, le parent femelle étant à gauche et le parent mâle étant à droite. Dans les cas où l'identité sexuelle des parents n'est pas précisée, nous avons adopté l'ordre présenté dans le document de référence. Si, dans d'autres ouvrages de références, nous avons trouvé des renseignements contradictoires, nous faisons les corrections appropriées. La sélection en soi, qu'elle soit massale ou généalogique, est représentée par une ligne droite dans les tableaux généalogiques. L'obtention d'un cultivar par une mutation provoquée par des radiations ou par des mutagènes chimiques est représentée respectivement par les suffixes XR ou CM accolés à la variété de départ. Lorsqu'une variété composite a été utilisée, nous l'indiquons comme étant un cultivar et donnons d'autres détails précis comme son nom. Lorsque le code d'un parent figurant dans les premières bifurcations d'une généalogie est surmonté d'une flèche, le lecteur doit consulter la généalogie de ce parent s'il veut des renseignements supplémentaires. Cette mesure a été rendue nécessaire afin de réduire au minimum l'impression de certaines des généalogies les plus complexes.

Les étapes additionnelles nécessaires à la production d'un cultivar, comme le nombre de générations obtenues par rétrocroisement ou par sélection, dépasse les limites du présent ouvrage et, par conséquent, ne sont pas indiquées dans les tableaux généalogiques.

Section III — Tableaux

Un tableau des coefficients de parenté et de consanguinité est présenté sur microfiche (dans l'enveloppe collée à l'intérieur de la couverture arrière) pour chaque cultivar dont la généalogie comporte au moins deux ancêtres. Les généalogies des cultivars issus de sélections uniques ont été exclues; leur coefficient est de 0,5. Dans chaque tableau, le coefficient de parenté établi selon Malécot (Malécot, 1948), pour chaque paire de cultivars faisant partie de la généalogie, est donné dans une matrice triangulaire inférieure. Les valeurs le long de la diagonale représentent les coefficients de parenté des cultivars avec eux-mêmes; en l'absence de consanguinité, ces coefficients sont de 0,5. Les lignes précédées à gauche d'un code varient entre 5,000 et 5,999 et non suivies à droite d'un nom de cultivar se rapportent aux croisements sans nom, c'est-à-dire les croisements intermédiaires dans un programme de sélection. Le coefficient de consanguinité

One of our respondents suggested that we include agronomic information in our register. We agree that the information is important, but it is extremely variable in scope, inconsistently available for all cultivars, and often very restricted or applicable to a particular area. Notwithstanding the standardization aspect for such documentation and the additional work involved, the amount of information would have taken considerable additional space. This information can easily be obtained from the references.

As noted in the *First report*, "The 'Manchuria' cultivars are an extreme example of multiple importation into North America, with the resulting proliferation of synonyms. The fact that all cultivars were obtained from the same geographical area does not justify the practice of using the single name 'Manchuria' in each case. The history of each cultivar labeled here as 'Manchuria' is described as completely as possible. As we obtain more information, the corresponding 'Manchuria' names will be modified accordingly or decreased in number if justification for their use is not supported in the literature." However, in this register we have deleted most entries except for those specifically mentioned in pedigrees and for those that are cited in more than one reference.

LITERATURE CITED IN THE INTRODUCTION

Avise, J. C. 1974. Systematics value of electrophoretic data. Syst. Zool. 23:465-481.

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Baum, B. R.; Brach, E. J. 1975. Identification of oat cultivars by means of fluorescence spectrography — A pilot study aimed at automatic identification of cultivars. Can. J. Bot. 53:305-309.

Baum, B. R.; Petruk, W.; Bailey, L. G. 1980. Assessment of the value of endospermic starch granules for the taxonomy of barley (*Hordeum*) species and cultivars with special emphasis on their identification, using the technique of image analysis. Z. Pflanzenzuecht. 85:212-225.

Baum, B. R.; Thompson, B. K. 1970. Registers with pedigree charts for cultivars: Their importance, their contents, and their preparation by computer. Taxon 19:762-768.

du cultivar représenté par le tableau généalogique est donné dans la partie inférieure du tableau. Les formules utilisées pour calculer les coefficients sont celles de Kempthorne (1957).

Il faut bien retenir la signification qui est donnée aux coefficients de parenté et de consanguinité tels qu'ils sont utilisés dans le présent ouvrage. Étant donné que les généalogies ne tiennent pas compte des générations issues de sélections ou de rétrocroisements, on doit accorder une valeur absolue aux coefficients. Thompson et Baum (1978) discutent en détail de ce point dans leur publication. Un coefficient doit servir principalement de mesure approximative de la parenté entre des cultivars faisant partie d'une généalogie particulière et de mesure relative à des fins de comparaison entre des généalogies différentes.

Pour calculer les coefficients, nous avons établi une prémisse concernant la population de base, c'est-à-dire que nous avons supposé qu'il n'y avait aucune consanguinité chez les cultivars pour lesquels nous n'avions aucune information généalogique. Bien que cette prémisse puisse sembler discutable dans le cas des espèces autogames comme l'orge, il est couramment accepté que le stock initial d'orge était souvent composé de mélanges d'effectifs génétique importants. Les populations naturelles comme le 'Manchuria' en est un exemple. Par conséquent, bien que l'hypothèse d'une absence de consanguinité s'avère une trop grande simplification, toute autre hypothèse serait également contestable. C'est pour cette raison que nous obtenons des valeurs, de 0,5 comme coefficient de parenté d'un cultivar avec lui-même, au lieu de 1,0 comme on pourrait s'y attendre dans le cas d'une consanguinité totale. Pour de plus amples explications, le lecteur peut consulter le chapitre rédigé par D.R. Sampson et annexé à la fin de la présente introduction.

Enfin, notons que, pour les généalogies les plus importantes, il a fallu imprimer les tableaux sur plusieurs pages.

Section IV — Ouvrages cités dans le registre

Les références mentionnées dans la liste des noms des cultivars sont reproduites dans cette section. Elles sont présentées dans la forme bibliographique habituelle. La position relative de chaque référence est donnée par un numéro placé à gauche de l'inscription; ce numéro est celui qui est utilisé dans l'index des noms des cultivars et qui devrait aider le lecteur à trouver facilement la source de renseignements plus détaillés.

La liste des références s'avère une banque de données sur les publications relatives à chaque cultivar mentionné dans le registre. Le lecteur peut consulter les ouvrages pertinents s'il désire obtenir, sur un cultivar donné, davantage d'information (par exemple, résistance à la maladie, aire de culture, rendement) ne figurant pas explicitement dans le catalogue.

Baum, B. R.; Thompson, B. K. 1976. Classification of Canadian oat cultivars by quantifying the size-shape of their "seeds": A step towards automatic identification. Can. J. Bot. 54:1472-1480.

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Un de nos répondants nous a demandé d'inclure de l'information de nature agronomique dans notre registre. Nous croyons également que ce genre de renseignements est important. Cependant, il appert que cette information est d'une envergure extrêmement variable, disponible pour certains cultivars seulement et souvent très restreinte ou applicable seulement à une région particulière. Nonobstant la tâche d'uniformisation et le travail supplémentaire que nous aurions dû faire à cet égard, il ressort que ce genre d'information aurait exigé beaucoup d'espace additionnel et que, par ailleurs, il peut être obtenu facilement à partir des références.

Dans notre *First report*, nous faisions le commentaire suivant: « Les cultivars 'Manchuria' sont un exemple extrême d'une importation multiple vers l'Amérique du Nord, avec comme conséquence une prolifération des synonymes. Le fait que tous les cultivars provenaient de la même région géographique ne justifie pas la pratique de leur attribuer le seul nom de 'Manchuria' dans chaque cas. L'histoire de chaque cultivar désigné ici sous le nom de 'Manchuria' est établie de façon aussi complète que possible. À mesure que nous obtiendrons davantage d'information, nous modifierons en conséquence les noms correspondants 'Manchuria' ou diminuerons leur nombre si leur utilisation n'est pas étayée dans les ouvrages de références ». Toutefois, dans le présent registre, nous avons supprimé la plupart des inscriptions des cultivars 'Manchuria' à l'exception de celles qui sont mentionnées explicitement dans les généalogies ou citées dans plus d'une référence.

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INTRODUCTION TO THE COEFFICIENT OF PARENTAGE

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By enlisting the computer to produce this massive compilation of barley pedigrees, Baum, Bailey, and Thompson have gained the opportunity and the means to compute a numerical index of relationships between any two cultivars in the same pedigree. Their approach was discussed earlier in Thompson and Baum (1978). As an index they chose the coefficient of parentage defined by Malécot (1948) and described by Kempthorne (1957). The concept traces back to the coefficients of inbreeding and relationship of Wright (1922) that were developed for livestock breeders. I have been asked to discuss what Baum, Bailey, and Thompson have done from a plant breeder's viewpoint.

First, this is a novel use of the coefficient of parentage, which Malécot developed to measure the genetic relationships between an individual and one of its sibs, cousins, or ancestors. In its original form, the coefficient expresses a one-to-one relationship between individuals. In contrast, the authors in this publication have applied the coefficient of parentage to relationships between collections of individuals, that is, to cultivars. Possibly they were led to this by the common usage of plant breeders and seedsmen, who speak of the "parents" of a cultivar when referring to the other cultivars or breeder's lines used in the last cross from which the cultivar was selected. Such "parents," if the generations are counted, are great, great, great grandparents, with 12 to perhaps over 50 "greats," depending on the age of the cultivar. Thus, the coefficient of parentage as used in this book is one level of abstraction beyond that used by Malécot and Kempthorne: instead of individuals it uses cultivars and instead of generations it uses matings between cultivars. Note that matings within cultivars, whether selfings or crossings, are ignored in calculating the coefficients given in this publication. A calculation so different from its original form deserves a new name, such as "coefficient of pedigree."

The coefficient of parentage ranges in value from 0 to 1; 0 for no relationship and 1 for an identical relationship, such as between individuals from a completely inbred line. To assist in interpreting the tables

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in this book, I will attempt to show how representative values are derived without using mathematical formulas. The easiest way to do this is to follow Malécot and Kempthorne's definition for coefficient of parentage.

The coefficient of parentage is the probability that the two individuals being compared have alleles identical by descent at any given gene locus. Identical by descent is defined as being inherited from a common ancestor, which is a narrower concept than being identical in molecular structure. This is an essential concept to grasp because otherwise the coefficient of parentage will seem to violate some of the rules of Mendelian genetics. A given gene locus may be genetically homozygous, say $A\ A$, but the two A alleles could be nonidentical by descent, which I will designate $A_1\ A_2$, if inherited from different ancestral lines that were unrelated back to some arbitrary starting point in time. The starting point could be as recent as when the recording of pedigrees began. In more exact terms, the coefficient of parentage is the probability that a random allele at any given locus of individual X is identical by descent with a random allele at the same locus of individual Y.

To begin with examples, consider a species where outbreeding is the norm and any locus chosen at random is most probably nonidentical by descent. Consider two full sibs from the mating of two unrelated, noninbred and diploid parents. The mating may be symbolized as $A_1\ A_2 \times A_3\ A_4$ and it gives a progeny containing four genotypes, $A_1\ A_3$, $A_1\ A_4$, $A_2\ A_3$ and $A_2\ A_4$ in equal proportions. If we take any individual from the progeny, let us suppose it has genotype $A_1\ A_3$, and then choose one of its alleles at random, say A_1, the mean probability of choosing the same allele in a second individual is 0.25, the frequency of the allele (or any allele) in this progeny. Thus the coefficient of parentage between full sibs is 0.25 in a noninbred population. (The formulas of Malécot and Kempthorne make provision for inbred populations, but this was not used by Thompson and Baum.)

Using the above example, compare progeny $A_1\ A_3$, for example, with its parents. Choose one parent at random, and then one allele of that parent at random. The probability that you have chosen A_1 is again 0.25, the coefficient of parentage. A coefficient of 0.25 is a bench mark value to remember when interpreting the tables in this book because it signifies a simple parent-offspring relationship between the two cultivars. By extending the logic to previous generations it is readily seen that 0.1250 indicates a grandparent-grandchild relationship, 0.0625 indicates a great grandparent-great grandchild relationship, and so on, the coefficient halving with each generation of simple ancestry.

Coefficients higher than 0.25 indicate inbreeding. Either the cultivar is a selection from another cultivar or it resulted from a cross between related parents, or one or more parents were inbred. Let us examine a selection from another cultivar. Suppose the parent

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INTRODUCTION AU COEFFICIENT DE PARENTÉ

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En choisissant de compiler par ordinateur le nombre considérable de généalogies des cultivars d'orge, Baum, Bailey et Thompson ont pu en même temps établir un indice numérique des relations entre deux cultivars quelconques faisant partie de la même généalogie. Thompson et Baum (1978) ont déjà expliqué leur démarche dans une publication antérieure. Ils ont choisi comme indice le coefficient de parenté défini par Malécot (1948) et décrit par Kempthorne (1957). Cette notion du coefficient de parenté remonte aux coefficients de consanguinité et de rapport génétique qui ont été mis au point par Wright (1922) pour les éleveurs. On m'a demandé de donner le point de vue du sélectionneur sur les travaux de Baum, Bailey et Thompson.

D'abord, il s'agit d'une nouvelle façon d'utiliser le coefficient de parenté mis au point par Malécot pour mesurer les rapports génétiques entre un sujet et un de ses frères, cousins ou ascendants. Dans sa forme originale, le coefficient exprime un rapport entre deux sujets. Par contraste, les auteurs ont appliqué le coefficient de parenté aux rapports existant entre des groupes, en l'occurrence les cultivars. Il est possible que cette utilisation particulière du coefficient soit attribuable à la pratique courante des sélectionneurs et des multiplicateurs de semences qui parlent des « parents » d'un cultivar pour désigner les autres cultivars ou lignées ayant servi au dernier croisement précédant la sélection du cultivar en question. Ainsi, ceux que l'on nomme « parents » sont en réalité, si l'on compte les générations, des arrière-arrière-. . .-arrière-grands-parents, éloignés de 12 à peut-être 50 générations du cultivar en question. Par conséquent, le coefficient de parenté, tel qu'il est utilisé dans le présent ouvrage, se situe à un niveau d'abstraction supérieur par rapport à celui qui a été mis au point par Malécot et Kempthorne; en effet, au lieu de porter sur des individus, le coefficient vise des cultivars et, au lieu de se

cultivar has genotype $A_1 A_2$. Selfing results in genotypes $A_1 A_1$, $A_1 A_2$, and $A_2 A_2$ in the familiar 1:2:1 ratio. We do not need to know which of these genotypes represents the new cultivar selected from this progeny because they all have the same coefficient of parentage of 0.50. If the selection is $A_1 A_1$ for example, the chance that a random allele selected from the parent is identical is 0.50. The same for $A_2 A_2$. Or if the selection is $A_1 A_2$ and from it we choose say A_1, the chance of choosing A_1 in the parent is again 0.50.

Now if we use that selection in a cross with an unrelated, noninbred parent we have to work out the progeny expected with the use of each of the three possible genotypes that the selection might be and determine their average coefficient of parentage between the selection and offspring. This gives us 0.50 between selection $A_1 A_1$ (or $A_2 A_2$) and the offspring, and 0.25 between selection $A_1 A_2$ and the offspring for a mean coefficient of parentage of 0.375.

As a last example, consider the cross $A_1 A_1 \times A_1 A_2$ giving progeny $A_1 A_1$ and $A_1 A_2$. If we pick progeny $A_1 A_1$, the chance of it and parent $A_1 A_1$ having any one allele in common is 100%. If we pick progeny $A_1 A_2$, the coefficient of parentage is 0.50 between it and parent $A_1 A_1$. The mean of these two probabilities is 0.75, the coefficient of parentage.

In calculating the coefficients of parentage used in this publication, the authors assumed that cultivars for which no ancestral information is available are noninbred, like Wright's animals. Such an assumption is about as wide a departure from reality as one can make for a self-pollinating species such as barley. The cross between two unrelated barley cultivars should be represented as $A_1 A_1 \times A_2 A_2$ giving progeny $A_1 A_2$. The mean coefficient of parentage between this progeny and its parents is 0.50 instead of 0.25, as given in this publication for progenies from two unrelated parents. However, the authors' assumption has the fortuitous result of a wider scale, from 0.25 to 1 instead of 0.50 to 1, to express inbred relationships that arose from crossing related cultivars; these are the relationships in which barley breeders will be most interested.

To review what to look for in the tables of this book, a coefficient of 0.25 or its even half, quarter, eighth, sixteenth, etc. usually indicates a simple pedigree involving unrelated (so far as is known) cultivars at each mating. The coefficient between cultivar and parent is 0.25, between cultivar and grandparent is 0.125, and great grandparent 0.0625, and 0.0313, 0.0156, and so on. Numbers under 0.25, other than these, and all numbers over 0.25 indicate complex pedigrees in which at least one ancestor appears more than once in the pedigree of a cultivar. The higher the number, the closer the genetic relationship.

fonder sur les générations, il utilise les appariements entre les cultivars. Notons que les auteurs ne tiennent pas compte des appariements intrafamiliaux, qu'il s'agisse d'espèces autogames (autofécondation) ou d'espèces allogames (fécondation croisée), lorsqu'ils calculent les coefficients dans la présente publication. Un tel écart par rapport à la forme originale mérite un nouveau nom, soit le « coefficient généalogique ».

La valeur du coefficient de parenté varie entre 0 et 1; 0 indique l'absence de rapport entre deux sujets et 1 un rapport identique tel qu'il en existe entre des cultivars issus d'une lignée auto-entretenue (complètement pure). Pour aider le lecteur à interpréter les tableaux du présent ouvrage, je vais essayer de montrer, sans l'aide de formules mathématiques, dans quelle mesure les valeurs obtenues sont représentatives. Cette démonstration sera plus facile si j'adopte la définition du coefficient de parenté établie par Malécot et Kempthorne.

Par coefficient de parenté, on entend la probabilité que deux individus aient, dans n'importe quel locus donné, deux allèles identiques par descendance. La notion d'identité par descendance, c'est-à-dire facteur hérité d'un ancêtre commun, est plus restreinte que la notion d'identité de la structure moléculaire. C'est là une notion essentielle qu'il faut comprendre car, autrement, le coefficient de parenté semblera violer certaines des lois de Mendel. Un locus donné peut être génétiquement homozygote, soit $A\ A$, mais les deux allèles A peuvent être non identiques par descendance, soit A_1 et A_2, s'ils sont hérités de lignées ancestrales différentes n'ayant jamais été apparentées à certain point de départ arbitraire. Ce point de départ peut être aussi récent que le début de l'inscription des généalogies. En termes plus exacts, le coefficient de parenté correspond à la probabilité qu'un allèle pris au hasard dans tout locus donné chez un individu X soit identique par descendance avec un allèle pris au hasard dans le même locus chez un individu Y.

Examinons un cas. Prenons une espèce où les croisements hétérogènes sont la norme et où il est le plus probable que tout locus pris au hasard ne soit pas identique par descendance. Examinons le cas de deux plein-frères issus de l'appariement de deux parents diploïdes, non consanguins et non apparentés. L'appariement est représenté de la façon suivante:
$A_1 A_2 \times A_3 A_4$, et il donne lieu à une progéniture contenant quatre génotypes, soit $A_1 A_3$, $A_1 A_4$, $A_2 A_3$ et $A_2 A_4$, en proportions égales. Si nous prenons un des individus de la progéniture, par exemple $A_1 A_3$, et choisissons un de ses allèles au hasard, soit A_1, la probabilité moyenne de choisir le même allèle chez un autre individu de la même progéniture est de 0,25, ce qui correspond à la fréquence de l'allèle (ou de tout allèle) dans cette progéniture. Par conséquent, le coefficient de parenté entre des plein-frères est de 0,25, dans une population non auto-entretenue. (Les formules établies par Malécot et par Kempthorne prévoient le cas des populations pures, mais elles n'ont pas été utilisées par Thompson et Baum).

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HOW TO GET INFORMATION ABOUT A PARTICULAR CULTIVAR

If you are interested in the cultivar 'Tunis', refer to the Index Section and you will find the name in alphabetical order. See attached windows represented in the text table below for reference. At the left of

Section I Index

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        :
ORG     ORGE DE STAF TUNISIE
            SEE ALSO: TUN*
            REFERENCES: 1170
        :
STA1    STAF BARLEY FROM TUNIS
            SEE ALSO: TUN
            REFERENCES: 1170
        :
TUN*    TUNIS
            SYNONYMS: STA1 (1170)
            TRANSLATIONS: ORG (FRE)
            REFERENCES: 37 307 608 1109 1170
```

Code Index

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        :
ORG     ORGE DE STAF TUNISIE
        :
STA1    STAF BARLEY FROM TUNIS
        :
TUN     TUNIS
```

Section II Pedigrees

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        :
        CULTIVAR        PARENT
TUN     TUNIS       CVA CVAR-TUNIS - NORTH AFRICA
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Section IV Literature cited in the register

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1170. WIEBE, GA, AND REID, DA (1961) CLASSIFICATION OF BARLEY VARIETIES GROWN IN THE UNITED STATES AND CANADA IN 1958, USDA TECH BULL NO 1224, ARS WASHINGTON DC, USA.

À l'aide de l'exemple ci-dessus, comparons un membre de la progéniture, $A_1\ A_3$, avec ses parents. Choisissons un des parents au hasard, puis un allèle de ce parent au hasard. La probabilité de tomber sur A_1 est encore de 0,25, qui est le coefficient de parenté. Lorsqu'on interprète les tableaux du présent ouvrage, il faut garder à l'esprit qu'un coefficient de 0,25 est une valeur repère, car elle correspond au simple rapport parent-enfant entre deux cultivars. Si l'on examine le rapport avec les générations précédentes, on peut voir facilement que 0,1250 correspond au rapport entre un grand-parent et son petit-fils et 0,0625 au rapport entre un arrière grand-parent et son arrière-petit-fils, etc., le coefficient diminuant d'une moitié à chaque génération.

Les coefficients supérieurs à 0,25 indiquent la consanguinité. Soit que le cultivar soit issu d'une sélection d'un autre cultivar, soit qu'il résulte d'un croisement entre des géniteurs apparentés, soit qu'un ou plusieurs parents soient consanguins. Examinons une sélection d'un autre cultivar. Supposons que le cultivar parent a le génotype $A_1\ A_2$. L'autofécondation donne les génotypes $A_1\ A_1$, $A_1\ A_2$ et $A_2\ A_2$ dans les proportions habituelles, soit 1:2:1. Il n'est pas nécessaire de savoir lequel de ces génotypes représente le nouveau cultivar choisi parmi cette progéniture, car le coefficient de parenté est le même pour tous, soit 0,50. À titre indicatif, si nous choisissons $A_1\ A_1$, la probabilité qu'un allèle pris au hasard chez le parent soit identique est de 0,50. La même chose vaut pour $A_2\ A_2$. Par ailleurs, si nous choisissons le génotype $A_1\ A_2$ et l'allèle A_1, la probabilité de choisir A_1 chez le parent est encore de 0,50.

Si nous croisons maintenant les trois génotypes ci-dessus avec un parent non consanguin et non apparenté, nous devons déterminer la progéniture obtenue et établir le coefficient de parenté moyen entre le génotype parent et le descendant. Nous obtenons un coefficient de parenté de 0,50 entre le génotype $A_1\ A_1$ (ou $A_2\ A_2$) et son descendant et de 0,25 entre le génotype $A_1\ A_2$ et son descendant, ce qui donne un coefficient de parenté moyen de 0,375.

Comme dernier exemple, examinons le croisement entre $A_1\ A_1$ et $A_1\ A_2$ dont sont issus les descendants $A_1\ A_1$ et $A_1\ A_2$. Si nous choisissons le descendant $A_1\ A_1$, la probabilité que lui et son parent $A_1\ A_1$ aient un allèle commun est de 100 %. Dans le cas du descendant $A_1\ A_2$, le coefficient de parenté entre lui et le parent $A_1\ A_1$ est de 0,50. Le coefficient de parenté moyen est donc de 0,75.

Lorsqu'ils ont établi les coefficients de parenté pour le présent ouvrage, les auteurs ont supposé que les cultivars pour lesquels ils ne possédaient pas d'information généalogique étaient non consanguins, comme les animaux de Wright. Une telle hypothèse est tout à fait éloignée de la réalité surtout dans le cas des espèces autopollinisatrices comme l'orge. Le croisement entre deux cultivars d'orge non apparentés devrait être représenté comme étant $A_1\ A_1 \times A_2\ A_2$ et la progéniture comme étant $A_1\ A_2$. Le coefficient

the name there is an asterisk (*), which indicates that a pedigree is available and documented in the Pedigree Section. Below under SYNONYMS, you will find STA1 (1170), which indicates it is a synonym of TUNIS and that it is documented in reference #1170. STA1 is 'Staf Barley From Tunis' according to the Code Index. A glance at 'Staf Barley From Tunis' in the Index Section refers the name to TUN under SEE ALSO, and TUN according to the Code Index is TUNIS. In the entry of 'Staf Barley From Tunis' under SEE ALSO there is REFERENCES: 1170 indicating the reference above. Now back to 'TUNIS' in the Index. Below SYNONYMS there is TRANSLATIONS: ORG (FRE). FRE means translated from French, according to the list of codes in the Introduction (p. 12), and ORG according to the Code Index means 'Orge de Staf Tunisie'. Below TRANSLATIONS appear REFERENCES with the following numbers: 37 307 608 1109 1170. All these are references pertinent to TUNIS that can be found listed by these numbers in the References Section. For instance, 37 is ARONOVITCH AND KOSTRINSKY (1950) where the information on 'Tunis' was found. The asterisk near Tunis in the Index Section indicates that the pedigree of 'Tunis' is available. This may be found in the Pedigree Section, or as in this case under the list of single selections. 'Tunis' is found in the latter as having CVAR-TUNIS-NORTH AFRICA as its parent. A search in the Index refers us to the pertinent publication 1170.

de parenté moyen entre cette progéniture et ses parents est de 0,50 au lieu de 0,25, comme l'établissent les auteurs dans le présent ouvrage pour les progénitures de géniteurs non apparentés. Par contre, l'hypothèse des auteurs a un avantage: elle permet de se fonder sur une échelle plus large, soit de 0,25 à 1 au lieu de 0,50 à 1, pour exprimer les rapports consanguins résultant du croisement de cultivars apparentés, et ce sont ces rapports qui intéressent au premier chef les sélectionneurs d'orge.

Voici, en résumé, ce qu'il faut retenir en examinant les tableaux du présent ouvrage. Un coefficient de 0,25 ou égal à la moitié, au quart, au huitième, au seizième, etc., indique généralement une généalogie simple mettant en présence, à chaque croisement, deux cultivars non apparentés (selon les renseignements fournis). Le coefficient de parenté est de 0,25 entre un cultivar et son parent, de 0,125 entre un cultivar et son grand-parent, de 0,0625 entre un cultivar et son arrière-grand-parent, etc., 0,0313, 0,0156, . . . Les nombres inférieurs à 0,25, autres que les nombres précédents, et tous les nombres supérieurs à 0,25 indiquent une généalogie complexe où au moins un ancêtre apparaît plus d'une fois dans la généalogie d'un cultivar. Plus le nombre est élevé, plus le rapport génétique est étroit.

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Wright, S., Coefficients of inbreeding and relationships, Am. Nat. 56:330-338, 1922.

COMMENT OBTENIR DE L'INFORMATION SUR UN CULTIVAR PARTICULIER

Supposons que l'on veuille se renseigner sur le cultivar 'Tunis'. Dans la section de l'index, on trouve le nom du cultivar à sa place habituelle, dans l'ordre alphabétique. Voir les différents encadrés dans le tableau ci-joint. À gauche du nom, il y a un astérisque (*) indiquant que les auteurs présentent une généalogie pour le cultivar en question; cette généalogie se trouve dans la section des généalogies. Sous le nom du cultivar, on trouve le mot « SYNONYMS ». À droite de ce terme, il y a l'inscription STA1 (1170) qui signifie qu'il s'agit d'un synonyme de TUNIS et qu'on peut trouver les justifications dans la référence n° 1170.

Section I Index

```
        ⋮
ORG     ORGE DE STAF TUNISIE
            SEE ALSO: TUN*
            REFERENCES: 1170
        ⋮
STA1    STAF BARLEY FROM TUNIS
            SEE ALSO: TUN
            REFERENCES: 1170
        ⋮
TUN*    TUNIS
            SYNONYMS: STA1 (1170)
            TRANSLATIONS: ORG (FRE)
            REFERENCES: 37 307 608 1109 1170
```

Index des codes

```
        ⋮
ORG     ORGE DE STAF TUNISIE
        ⋮
STA1    STAF BARLEY FROM TUNIS
        ⋮
TUN     TUNIS
```

Section II Généalogies

```
        ⋮
        CULTIVAR          PARENT
TUN     TUNIS       CVA   CVAR-TUNIS - NORTH AFRICA
```

Section IV Ouvrages cités dans le registre

37. ARONOVITCH, I. AND KOSTRINSKY, Y (1950) RESULTS OF BARLEY VARIETY TRIALS, ISRAEL JOUR AGRIC RES, 1(81-2):331-352(ABST).

1170. WIEBE, GA, AND REID, DA (1961) CLASSIFICATION OF BARLEY VARIETIES GROWN IN THE UNITED STATES AND CANADA IN 1958, USDA TECH BULL NO 1224, ARS WASHINGTON DC, USA.

Selon l'index des codes, STA1 correspond à 'Staf Barley From Tunis'. On peut voir, dans la section de l'index, que 'Staf Barley From Tunis' renvoie à TUN sous la liste « SEE ALSO » et que TUN correspond à TUNIS selon l'index des codes. On peut également voir à l'inscription 'Staf Barley From Tunis', sous le mot « REFERENCES », le chiffre 1170 qui renvoie à la référence dont il est question ci-dessus. Revenons maintenant à 'TUNIS' dans l'index. Sous le mot « SYNONYMS », on trouve le « TRANSLATIONS » et, près de ce mot, l'inscription suivante: ORG (FRE). FRE signifie que le nom du cultivar a été traduit du français, selon la liste des codes dont il est question dans l'introduction (p. 13). ORG signifie 'Orge de Staf Tunisie', selon l'index des codes. Sous le mot « TRANSLATIONS », on trouve le mot « REFERENCES » et, près de ce mot, les chiffres suivants: 37 307 608 1109 1170. Tous ces chiffres renvoient à des références sur TUNIS que l'on trouve, dans l'ordre numérique, dans la section des références. Par exemple, 37 indique qu'on a trouvé les renseignements sur 'Tunis' dans ARONOVITCH AND KOSTRINSKY (1950). L'astérisque accolé à 'Tunis' dans la section de l'index indique que les auteurs présentent une généalogie pour le cultivar en question. On peut trouver cette généalogie dans la section des généalogies ou, comme dans le cas de 'Tunis', dans la liste des sélections uniques. Dans cette liste, on peut voir que 'Tunis' a comme parent CVAR-TUNIS-NORTH AFRICA. La consultation de l'index renvoie à la publication pertinente n° 1170.

REGISTER

Section I — Index

List of names, references, synonyms, codes for translations and transliterations, and cross-references
Code Index

REGISTRE

Section I — Index

Liste de noms, de références, de synonymes, de codes de traductions, de translittérations et de renvois
Index des codes

LIST OF BARLEY CULTIVARS ACCORDING TO THE ALPHABETICAL SEQUENCE OF THEIR FULL NAMES

(AN ASTERISK BESIDE A CULTIVAR NAME INDICATES THAT THE PEDIGREE HAS BEEN OBTAINED)

CODE		FULL NAME
38		'38'
		SEE ALSO: WIS
		REFERENCES: 1170
110		1105/1
		REFERENCES: 791
13N		13 NOVI SAD
		REFERENCES: 412
14		14 DE GEMBLOUX
		REFERENCES: 102
16W		16WV
		REFERENCES: 363 777
185		185 DE GEMBLOUX
		REFERENCES: 102
191		191
		REFERENCES: 1077
250		250
		REFERENCES: 611
400		400
		REFERENCES: 364
401		401
		REFERENCES: 364
41		41/145
		REFERENCES: 578
436		4363-32
		REFERENCES: 596
456		456
		REFERENCES: 377 777
472		472
		REFERENCES: 777
477		477
		REFERENCES: 405
499		499
		REFERENCES: 364
A13		A 13
		REFERENCES: 995
A3		A 3
		REFERENCES: 995
A4		A 4
		REFERENCES: 995
A42		A 42
		REFERENCES: 761
A59		A 59
		REFERENCES: 233
AAL		AALA YARGI
		REFERENCES: 877
AAP	*	AAPO
		REFERENCES: 49
AAS		AAS
		REFERENCES: 102
AB1		AB 1259
		REFERENCES: 233
ABA1	*	ABACUS
		REFERENCES: 51 184 187 189 252 364 487
ABA		ABATE
		REFERENCES: 252 729 906 952
ABA3		ABAVA
		REFERENCES: 813
ABEA		ABED
		REFERENCES: 469 1139
ABED		ABED ARCHER
		REFERENCES: 89 1132
ABE4		ABED BINDER
		SEE ALSO: BIN
		REFERENCES: 43 76 379 519 656 760 976 1071 1082
ABEN		ABED BINDER 12
		REFERENCES: 608
ABEF		ABED BOMI
		REFERENCES: 145 686
ABER		ABED DANA
		REFERENCES: 1087
ABEE		ABED DEBA
		REFERENCES: 87 94 101 145 686

CODE		FULL NAME
ABE3		ABED DENSO
		SEE ALSO: DEN
		REFERENCES: 175 846 1082
ABEL		ABED 738
		REFERENCES: 1177
ABEV	*	ABED GULA
		REFERENCES: 663
ABE8		ABED JULY
		SEE ALSO: JUL2
		REFERENCES: 76 252
ABE5		ABED KENIA
		REFERENCES: 43 252 656 686 1071 1082 1139
ABEG		ABED LOFA
		REFERENCES: 145 686 1084 1087
ABE2		ABED MAJA
		SEE ALSO: MAJ
		REFERENCES: 75 167 273 274 519 656 1071 1082 1132 1133
ABEH		ABED MALA
		REFERENCES: 145 686
ABEB		ABED OPAL
		REFERENCES: 1082
ABEK		ABED REX
		REFERENCES: 484
ABE9		ABED RIGEL
		SEE ALSO: RIG
		REFERENCES: 252 523
ABEI		ABED 1119
		REFERENCES: 424
ABEU		ABED 179
		REFERENCES: 836
ABE7	*	ABED 3173
		REFERENCES: 247 663 1082
ABES		ABED 3263
		REFERENCES: 846
ABEJ		ABED 3324
		REFERENCES: 426
ABE1	*	ABED 3371
		REFERENCES: 338 363 405
ABE6		ABED 3407
		SEE ALSO: DEB1
		REFERENCES: 170 230 846
ABET		ABED 43
		REFERENCES: 836
ABEP		ABED 625
		REFERENCES: 405 663
ABEO	*	ABED 894
		REFERENCES: 405
ABE	*	ABED 978
		SEE ALSO: MEN
		REFERENCES: 210 273 808 882 1014 1077 1082 1088 1090 1133 1134
ABEC		ABED 983
		REFERENCES: 274 1133 1134
ABEQ	*	ABEE
		REFERENCES: 193
ABEM	*	ABELIA
		REFERENCES: 236 365 576
ABI		ABINA
		REFERENCES: 469
ABL	*	ABLYN
		REFERENCES: 139 915 916
ABR		ABRA PAMPA
		REFERENCES: 366
ABU1		ABUNDANCIA
		REFERENCES: 985
ABU2		ABUNDIA
		REFERENCES: 783 866
ABU		ABUSIR
		REFERENCES: 252 504
ABYF		ABYSSINER
		REFERENCES: 686
ABY		ABYSSINIA
		REFERENCES: 5 285 469 697 783 912

CODE		FULL NAME	
ABY1		ABYSSINIAN	
		REFERENCES:	5 33 52 87 127 138 139 140 141 153 232 252 287 379 455 469 527 608 628 654 671 686 722 763 816 829 866 916
ABY2		ABYSSINIAN 3	
		REFERENCES:	608
ABY4		ABYSSINIAN 14	
		REFERENCES:	608
ABY5		ABYSSINIAN 19	
		REFERENCES:	608
ABYH		ABYSSINIAN 20	
		REFERENCES:	153
ABY6		ABYSSINIAN 24	
		REFERENCES:	608
ABYE		ABYSSINIAN 26	
		REFERENCES:	608
ABY7		ABYSSINIAN 32	
		REFERENCES:	608
ABY8		ABYSSINIAN 33	
		REFERENCES:	608
ABY9		ABYSSINIAN 36	
		REFERENCES:	608
ABYA		ABYSSINIAN 41	
		REFERENCES:	608
ABYB		ABYSSINIAN 43	
		REFERENCES:	608
ABYC		ABYSSINIAN 49	
		REFERENCES:	608
ABYD		ABYSSINIAN 54	
		REFERENCES:	608
ABYG		ABYSSINIAN 668	
		REFERENCES:	686
ABY3		ABYSSINIAN 8	
		REFERENCES:	608
ACA		ACANTHUS	
		REFERENCES:	252
ACC	*	ACCLAIM	
		REFERENCES:	405
ACE		ACE	
		REFERENCES:	469
ACH2	*	ACHENTALER	
		REFERENCES:	743
ACH1		ACHER	
		REFERENCES:	809
ACH		ACHINSKII	
		REFERENCES:	882
ACK9		ACKERMANN CERESIA	
		REFERENCES:	686 1203
ACK7		ACKERMANN DONARIA 2	
		REFERENCES:	1203
ACK8		ACKERMANN ISARIA 2	
		REFERENCES:	1203
ACK6		ACKERMANN 1923/18	
		REFERENCES:	424
ACK5		ACKERMANN 4375	
		REFERENCES:	424
ACKH		ACKERMANN 5	
		REFERENCES:	576
ACK4	*	ACKERMANNS BAVARIA	
		SEE ALSO:	BAV
		REFERENCES:	43 75 102 410 428 453 656 686 793 816 1082 1128
ACKB		ACKERMANNS DANUBIA	
		SEE ALSO:	DAN4
		REFERENCES:	686 1092
ACK2	*	ACKERMANNS DONARIA	
		SYNONYMS:	DON (1150)
		REFERENCES:	43 45 47 123 171 428 533 576 686 771 782 809 846 945 1026 1082 1173
ACKD		ACKERMANNS INIS	
		REFERENCES:	686
ACKK		ACKERMANNS IRMA	
		SEE ALSO:	IRM
		REFERENCES:	846

CODE		FULL NAME
ACK		ACKERMANNS ISARIA
		SEE ALSO: ISA
		REFERENCES: 43 45 75 167 410 531 684 686 695 771 816 887 1027 1082 1092 1170
ACK3	*	ACKERMANNS MGZ
		SYNONYMS: MGZ (1150)
		REFERENCES: 30 47 151 154 186 252 434 663 686 763 809 1014 1026 1082 1086 1090 1173
ACKA		ACKERMANNS NIEDERBAYRISCHE
		REFERENCES: 627
ACKE		ACKERMANNS NOVA
		REFERENCES: 405
ACKC		ACKERMANNS TSCHERMACKS
		SEE ALSO: TSC
		REFERENCES: 574
ACKM		ACKERMANNS TWO-ROWED PRIMA
		SEE ALSO: PRIB
ACKL		ACKERMANNS VIKTORIA
		SEE ALSO: VIK
ACK1		ACKERMANNS 1223
		SEE ALSO: INI
		REFERENCES: 334
ACKG		ACKERMANNS 1427
		SYNONYMS: UNNA(434)
		REFERENCES: 434
ACKJ	*	ACKERMANNS 1455
		REFERENCES: 846
ACKF		ACKERMANNS 316
		REFERENCES: 405
ACKI	*	ACKERMANNS 913
		REFERENCES: 846
ACL		ACLIMATADA RIVERA
		REFERENCES: 155
ACR		ACRE EARLIEST
		REFERENCES: 461
AD1	*	AD 1
		REFERENCES: 1138
AD10	*	AD 10
		REFERENCES: 1138
AD11	*	AD 11
		REFERENCES: 1138
AD12	*	AD 12
		REFERENCES: 1138
AD13	*	AD 13
		REFERENCES: 1138
AD14	*	AD 14
		REFERENCES: 1138
AD15	*	AD 15
		REFERENCES: 1138
AD16	*	AD 16
		REFERENCES: 1138
AD17	*	AD 17
		REFERENCES: 1138
AD18	*	AD 18
		REFERENCES: 1138
AD2	*	AD 2
		REFERENCES: 1138
AD3	*	AD 3
		REFERENCES: 1138
AD4	*	AD 4
		REFERENCES: 1138
AD5	*	AD 5
		REFERENCES: 1138
AD6	*	AD 6
		REFERENCES: 1138
AD7	*	AD 7
		REFERENCES: 1138
AD8	*	AD 8
		REFERENCES: 1138
AD9	*	AD 9
		REFERENCES: 1138
ADA2		ADABA
		REFERENCES: 877

CODE		FULL NAME	
ADA	*	ADAHUESCA 1	
		REFERENCES:	1138
ADA1	*	ADAHUESCA 2	
		REFERENCES:	1138
ADA3		ADAIR	
		REFERENCES:	877
ADA4		ADAMITULLO	
		REFERENCES:	877
ADD		ADDIS ABEDA	
		REFERENCES:	75
ADE		ADELE	
		REFERENCES:	372
ADI		ADIGRAT	
		REFERENCES:	877
ADL		ADLIKER	
		REFERENCES:	252 618
ADM2		ADMIRAL BEATTY	
		REFERENCES:	89
ADM		ADMIRE	
		REFERENCES:	252 628 668 701 702 866 1170
ADM1		ADMONTER	
		REFERENCES:	252
ADO2	*	ADOLPHE BUNGENER	
		REFERENCES:	576 846 877
ADO		ADONIA	
		REFERENCES:	248 364
ADO1	*	ADORRA	
		REFERENCES:	12 145 364 603 608 663 809 945 946 1077 1158 1160 1174 1175
ADU		ADUWA	
		REFERENCES:	877
ADV		ADVANCE PEDIGREE	
		REFERENCES:	252 503
ADZ		ADZHIBA	
		REFERENCES:	986
AEJ		AEJIJOSAENG	
		REFERENCES:	628
AFG		AFGHAN 1	
		REFERENCES:	24
AFG1		AFGHAN 2	
		REFERENCES:	24
AFR		AFRICAINE	
		REFERENCES:	767
AGA		AG-ARPA	
		REFERENCES:	9 1082
AGA3		AGA	
		REFERENCES:	928
AGA1		AGAIS	
		REFERENCES:	686
AGA2		AGARO	
		REFERENCES:	877
AGE	*	AGER	
		SYNONYMS:	AZH (1082)
		REFERENCES:	42 51 85 98 101 109 120 186 190 191 235 236 300 331 363 364 370 392 453 574 576 608 724 737 777 809 848 990 1082 1155 1156 1161
AGI	*	AGIO	
		REFERENCES:	23 75 170 178 181 190 191 308 336 358 359 363 453 460 651 686 695 808 836 846 962 1014 1027 1082 1139 1177
AGN		AGNETA	
		REFERENCES:	364
AGO	*	AGO	
		REFERENCES:	364 574 769 974
AGR		AGRAMUNT 1	
		REFERENCES:	1138
AGR1		AGRAMUNT 2	
		REFERENCES:	1138
AGU	*	AGUL	
		REFERENCES:	276 1036
AHA		AHA-RAE-BAC	
		REFERENCES:	628
AIC4		AICHI KOBINKATAGI	
		REFERENCES:	1049

CODE		FULL NAME
AIC5	*	AICHI SAKIGAKE REFERENCES: 1049
AIC6	*	AICHI SHIRAUME REFERENCES: 1049
AIC	*	AICHI WASE REFERENCES: 637
AIC7	*	AICHI WASE GOLDEN REFERENCES: 1049
AIC3		AICHI WASE 113 REFERENCES: 1012 1049 1098
AIC1		AICHI WASE 13 SYNONYMS: GOLP(15) REFERENCES: 15 1012 1049 1098
AIC2	*	AICHI WASE 5 REFERENCES: 1012
AIG		AIGO REFERENCES: 178
AIK		AIKEI 84 REFERENCES: 482
AIK1		AIKHAL REFERENCES: 9 708 979 1085
AIM		AIM REFERENCES: 403 408 487 663 1102
AIZ1		AIZU SEE ALSO: AIZ2 REFERENCES: 626 783
AIZ2		AIZU HADAKA SYNONYMS: AIZ1(1192) REFERENCES: 252 483
AIZ9	*	AIZU HADAKA 3 REFERENCES: 783 1049
AIZA		AIZU HADAKA 5 REFERENCES: 783
AIZC	*	AIZU 1 REFERENCES: 1049
AIZ7		AIZU 155 REFERENCES: 628
AIZ8		AIZU 16 REFERENCES: 628
AIZ5	*	AIZU 2 REFERENCES: 482 483 541 602 628 832
AIZ6		AIZU 22 REFERENCES: 628
AIZ3	*	AIZU 4 REFERENCES: 153 482 483 540 628 653 783 1031 1049
AIZB	*	AIZU 5 REFERENCES: 482 483 544 1049
AIZ4	*	AIZU 6 REFERENCES: 341 342 482 483 539 540 581 653 738 739 740 783 1049
AIZ	*	AIZU 7 REFERENCES: 108 252 482 483 541 1049 1192
AJH		AJHAL REFERENCES: 877
AKA	*	AKA SHINRIKI REFERENCES: 252 363 505 544 549 613 614 635 636 653 664 1043 1047 1049 1120 1192
AKA1	*	AKAGI NIJO REFERENCES: 658 1012
AKA3	*	AKANE HADAKA 3 REFERENCES: 1049
AKA2	*	AKANMUGI REFERENCES: 535 602 1049
AKD		AKDA REFERENCES: 866
AKE		AKER REFERENCES: 469
AKI1	*	AKIMAKI HOKUSEI REFERENCES: 1049
AKI		AKIMUGI REFERENCES: 617
AKK	*	AKKA REFERENCES: 50 145 179 191 193 336 363 364 405 486 487 608 686 696 735 762 1084 1086 1174

CODE		FULL NAME											
AKM1	*	AKME											
		REFERENCES:	73	151	381	609	663	686	1014	1026	1082	1084	1150
AKM		AKME FUTTER											
		REFERENCES:	252										
AKS		AKSANIYA											
		REFERENCES:	688										
AKT		AKTASCHA											
		REFERENCES:	998										
ALA6		ALABEI											
		REFERENCES:	628										
ALAA	*	ALADIN											
		REFERENCES:	192										
ALA		ALAGON											
		REFERENCES:	252	783									
ALA8		ALARA											
		REFERENCES:	998										
ALA7		ALASHINRIKI											
		REFERENCES:	602										
ALA9		ALASJMOEN											
		REFERENCES:	114										
ALA1		ALASKA											
		REFERENCES:	236	252	461	469	503	628	783	866	1075		
ALA2		ALASKA EXPRESS											
		REFERENCES:	252										
ALA3		ALAVA 1											
		REFERENCES:	1138										
ALA4		ALAVA 2											
		REFERENCES:	1138										
ALA5	*	ALAVA 3											
		REFERENCES:	1138										
ALB5	*	ALBA DE CAMPO 1											
		REFERENCES:	1138										
ALB6	*	ALBA DE CAMPO 2											
		REFERENCES:	1138										
ALBO		ALBA STRAMPELI											
		REFERENCES:	102	371									
ALB4		ALBACETE											
		REFERENCES:	50	469									
ALBC	*	ALBACETE 1											
		REFERENCES:	1138										
ALBA		ALBACETE 10											
		REFERENCES:	1138										
ALBB		ALBACETE 11											
		REFERENCES:	1138										
ALBD	*	ALBACETE 2											
		REFERENCES:	1138										
ALBE	*	ALBACETE 3											
		REFERENCES:	1138										
ALBF	*	ALBACETE 4											
		REFERENCES:	1138										
ALBG	*	ALBACETE 5											
		REFERENCES:	1138										
ALBH	*	ALBACETE 6											
		REFERENCES:	1138										
ALB7	*	ALBACETE 7											
		REFERENCES:	1138										
ALB8	*	ALBACETE 8											
		REFERENCES:	1138										
ALB9	*	ALBACETE 9											
		REFERENCES:	1138										
ALBI	*	ALBAY 1											
		REFERENCES:	1138										
ALBJ	*	ALBAY 2											
		REFERENCES:	1138										
ALBK	*	ALBAY 3											
		REFERENCES:	1138										
ALBL	*	ALBAY 4											
		REFERENCES:	1138										
ALBM	*	ALBAY 5											
		REFERENCES:	1138										
ALB	*	ALBERT											
		REFERENCES:	102	190	199	243	252	262	355	469	479	576	663
			767	1015	1170								

CODE		FULL NAME
ALB2	*	ALBERT BUSSER
		SYNONYMS: BUS1(43)
		REFERENCES: 43 356 361 405 576 687 808 1177
ALB3		ALBERTA BLACK
		REFERENCES: 252 608
ALBQ		ALBERTA 311
		REFERENCES: 877
ALB1		ALBERTA 8
		SEE ALSO: TIT
		REFERENCES: 27 759 1170
ALBR	*	ALBIAS
		REFERENCES: 236 576
ALBN	*	ALBION
		SYNONYMS: ELI1(405)
		REFERENCES: 310 311 364 405 846
ALBS	*	ALBORI
		REFERENCES: 677
ALC	*	ALCARAZ 1
		REFERENCES: 1138
ALC1	*	ALCARAZ 2
		REFERENCES: 1138
ALC2		ALCARAZ 3
		REFERENCES: 1138
ALC3		ALCAUCHEL
		REFERENCES: 877
ALE		ALEMAYA BLACK
		REFERENCES: 252
ALF2	*	ALF
		REFERENCES: 364 426 427 686 695
ALF	*	ALFA
		REFERENCES: 301 531 663 695 1082 1132
ALF3		ALFOLD
		REFERENCES: 654
ALF1	*	ALFOR
		REFERENCES: 85 381 434 608 686 737 1082
ALG2		ALGERIA
		REFERENCES: 252
ALG		ALGERIAN
		TRANSLATIONS: ALG3(GER)
		REFERENCES: 24 136 145 197 224 232 252 306 379 469 471 473 593 599 608 609 620 660 661 687 695 783 784 785 786 862 922 924 925 950 968 971 1077 1084 1131
ALG5		ALGERIAN HALLE
		REFERENCES: 687
ALG1		ALGERIE 48
		REFERENCES: 455 633 829
ALG3		ALGERISCHE
		SEE ALSO: ALG *
		REFERENCES: 971
ALG4		ALGIERS
		REFERENCES: 504 835
ALK		ALKAR
		REFERENCES: 364 724 769 1174
ALL	*	ALLASCH
		REFERENCES: 374 405 608 686 928 1090 1150
ALL2	*	ALLEGRO
		REFERENCES: 663 846
ALL3		ALLI
		REFERENCES: 75
ALL1	*	ALLOUETTE
		SEE ALSO: ALO
		REFERENCES: 686 1082
ALM1	*	ALMA
		REFERENCES: 145 686 928 1082
ALM2		ALMACELLAS 1
		REFERENCES: 1138
ALM3		ALMACELLAS 2
		REFERENCES: 1138
ALMI		ALMAZ
		REFERENCES: 1112
ALME		ALMEI
		REFERENCES: 686

CODE		FULL NAME
ALM		ALMENAR
		REFERENCES: 252 405
ALMG		ALMERFELDER
		REFERENCES: 877
ALMP	*	ALMOND
		REFERENCES: 405
ALMD		ALMORA 222
		REFERENCES: 609
ALM4	*	ALMUDEVAR 1
		REFERENCES: 1138
ALM5	*	ALMUDEVAR 2
		REFERENCES: 1138
ALM6	*	ALMUNIA 1
		SEE ALSO: LAA1
		REFERENCES: 1138
ALM7	*	ALMUNIA 2
		SEE ALSO: LAA1
		REFERENCES: 1138
ALM8	*	ALMUNIA 3
		SEE ALSO: LAA1
		REFERENCES: 1138
ALM9	*	ALMUNIA 4
		SEE ALSO: LAA1
		REFERENCES: 1138
ALMA	*	ALMUNIA 5
		SEE ALSO: LAA1
		REFERENCES: 1138
ALMB	*	ALMUNIA 6
		SEE ALSO: LAA1
		REFERENCES: 1138
ALMC	*	ALMUNIA 7
		SEE ALSO: LAA1
		REFERENCES: 1138
ALMH		ALMURADIEL
		REFERENCES: 1122
ALO1	*	ALOBRA 1
		REFERENCES: 1138
ALO2	*	ALOBRA 2
		REFERENCES: 1138
ALO	*	ALOUETTE
		SYNONYMS: ALL1(9999)
		REFERENCES: 252 362 663 928 1090 1150
ALP2		ALPHA (FRANCE 1972)
		SEE ALSO: COS
		SYNONYMS: ALP1(9999)
		REFERENCES: 42 51 101 236 453 530 576 608 769 777 846 848 1130
ALP1	*	ALPHA (NORTH AMERICA PRE 1921)
		SEE ALSO: ALP2
		REFERENCES: 364 453 461 469 471 473 517 527 564 572 576 615 703 1170
ALP	*	ALPINE
		REFERENCES: 252 570 571 654 809 821 1170 1174 1185 1186
ALP3		ALPINE(CM)
		REFERENCES: 821
ALS	*	ALSA
		REFERENCES: 75 258 305 663 686 691 836 887 1082 1084 1128
ALS1	*	ALSACE
		REFERENCES: 101 355 357 361 1082
ALS2		ALSASSION
		REFERENCES: 1082
ALT3		ALT
		REFERENCES: 877
ALT		ALTAI
		REFERENCES: 1091
ALT2		ALTAMURA
		REFERENCES: 469
ALT1	*	ALTERNA
		REFERENCES: 98 357 360 576 1082
ALT4	*	ALTYN-DAN
		REFERENCES: 1101 1112
ALV	*	ALVA
		REFERENCES: 364 608 663 686 695 809 846 872 1077 1175 1178

CODE		FULL NAME	
ALV2		ALVARO ABREU	
		REFERENCES:	880
ALV1		ALVO	
		REFERENCES:	608
AMA3	*	AMAGI NIJO	
		REFERENCES:	658
AMA2		AMAGI NIJO NO 3	
		REFERENCES:	1012
AMA1	*	AMAGI NIJO 1	
		REFERENCES:	505 658 1098
AMA		AMARILLO	
		REFERENCES:	252
AMB1	*	AMBIO	
		REFERENCES:	364 574 848
AMB3		AMBO	
		REFERENCES:	608
AMB		AMBRE (FRANCE)	
		REFERENCES:	187 236 364 424 425
AMB2	*	AMBRE (INDIA)	
		REFERENCES:	311 576 608 623 686 846
AMC	*	AMCAR	
		REFERENCES:	363 392 576 608 663 686 737
AME1		AMERICANI 13	
		REFERENCES:	655
AME	*	AMETYST	
		REFERENCES:	145 236 290 685 686 872 987 1086 1128 1199 1200
AMI		AMITERNO	
		REFERENCES:	364
AMK		AMKAR	
		REFERENCES:	871 872
AMM	*	AMMER	
		REFERENCES:	75 145 405 453 547 686 809 928 1077 1082 1084 1178
AMR1		AMRIGSCHWANDER	
		REFERENCES:	363
AMR		AMRIGSCHWANDER 2-ROWED BLACK FOREST	
		REFERENCES:	686 1026
AMS		AMSEL	
		SYNONYMS:	HEIH(663)
		REFERENCES:	47 73 100 153 185 306 379 405 450 533 576 593 608 609 663 684 686 691 928 968 971 1014 1026 1077 1081 1082 1089 1128 1131 1139 1143 1150
AMU		AMURSKII MESTNYJ	
		REFERENCES:	686
AMU1		AMUSQUILLO	
		REFERENCES:	877
AMY		AMY	
		REFERENCES:	647 648
ANA	*	ANABEE	
		REFERENCES:	910 1012
ANA2		ANATOLIAN	
		REFERENCES:	145 232 593 1082
ANA3		ANATOLIAN BLACK	
		REFERENCES:	51 608
ANA1		ANATOLSKI JABLE	
		REFERENCES:	252
ANC	*	ANCA	
		REFERENCES:	1105
ANC2		ANCASTILLO	
		REFERENCES:	877
ANC1	*	ANCHOR	
		REFERENCES:	405 846
AND1		ANDIE	
		REFERENCES:	16
AND		ANDORRA	
		REFERENCES:	877
ANE	*	ANEUTO 1	
		REFERENCES:	1138
ANE1	*	ANEUTO 2	
		REFERENCES:	1138
ANE2	*	ANEUTO 3	
		REFERENCES:	1138
ANG5		ANGANDA	
		REFERENCES:	998

CODE		FULL NAME
ANG6	*	ANGELA
		REFERENCES: 405 608
ANG2		ANGERNER 1-5
		REFERENCES: 102
ANG1		ANGERNER 2-2
		REFERENCES: 102
ANG3		ANGERNER 2-6
		REFERENCES: 102
ANG4		ANGERNER 2-8
		REFERENCES: 102
ANG		ANGERNER 3-5
		REFERENCES: 102
ANG7		ANGORA
		REFERENCES: 877
ANG8		ANGUILENSE
		REFERENCES: 245
ANI1		ANIRAC
		SEE ALSO: CARA
ANI	*	ANITA
		REFERENCES: 4 30 460 1082
ANK		ANKARA
		REFERENCES: 877
ANK1		ANKARA TOKAK
		REFERENCES: 877
ANL	*	ANLA
		REFERENCES: 185 663 1077 1082 1140
ANN1	*	ANNA
		REFERENCES: 846 1178
ANN2	*	ANNA ABED
		REFERENCES: 663
ANN		ANNAT
		SEE ALSO: CHE1
		SYNONYMS: SCO7(654)
		REFERENCES: 531 654 895
ANO		ANOIDIUM
		REFERENCES: 33 95 100 193 210 225 232 234 252 403 464 626 686 698 983 1164
ANS	*	ANSGAR
		REFERENCES: 49 185 187 319 364 686 809 1077 1084 1086 1175
ANS2		ANSKA
		REFERENCES: 504
ANS1	*	ANSON
		REFERENCES: 799
ANT2	*	ANTA
		REFERENCES: 51 405 426
ANT	*	ANTALEK
		REFERENCES: 9 75 686 834 836 947 1082
ANT3		ANTAREO
		REFERENCES: 51
ANT1	*	ANTARES
		REFERENCES: 101 236 364 365 576
ANT4		ANTONINSKI
		REFERENCES: 34 686 1039
AOH		AOHADAKA
		REFERENCES: 532 1049
AOK		AOKAWAMUGI
		REFERENCES: 617
AOM		AOMUGI
		REFERENCES: 617
APA2	*	APACHE
		REFERENCES: 192
APA1		APAM
		REFERENCES: 50 455
APA	*	APATITY 4
		REFERENCES: 1195
APE	*	APEX
		REFERENCES: 192 405 846 962
API		APIZACO
		REFERENCES: 7 50 608 934
APR		APRO
		REFERENCES: 50
APS1		APSHERON
		REFERENCES: 319

CODE		FULL NAME											
APS		APSHON											
		REFERENCES:	783										
AQU		AQUILA											
		REFERENCES:	311	469									
ARA4	*	ARA											
		REFERENCES:	691	1082	1150								
ARA5	*	ARABEL											
		REFERENCES:	469	866									
ARA7		ARABI											
		REFERENCES:	361										
ARA		ARABIAN											
		REFERENCES:	178	460	628	777	1128						
ARA3		ARABIAN BLUE											
		REFERENCES:	252	608	916								
ARA1		ARABISCHE											
		REFERENCES:	75	86	87	100	181	191	252	336	363	405	608
			695	962	1014	1027	1077	1139	1143				
ARA2		ARAMIR											
		SYNONYMS:	CEBF(1173)										
		REFERENCES:	51	54	145	185	187	190	191	192	236	311	364
			370	405	536	576	593	603	608	686	809	846	848
			872	935	962	1077	1084	1130	1131	1143	1160	1173	1174
			1176	1178									
ARA8		ARAMIS											
		REFERENCES:	606										
ARA6		ARARAT											
		REFERENCES:	145	686									
ARB		ARBI											
		REFERENCES:	312										
ARC3		ARCH-PLUME											
		REFERENCES:	89										
ARC4		ARCHANGEL											
		REFERENCES:	998										
ARC	*	ARCHER											
		REFERENCES:	45	81	82	90	91	92	97	102	111	156	168
			379	484	523	528	529	530	531	532	656	658	662
			695	725	790	846	976	1012	1082	1133			
ARC2		ARCHER CHEVALIER											
		REFERENCES:	469										
ARC1	*	ARCHER-GOLDTHORPE											
		REFERENCES:	89	111	484	531	976	1079					
ARC5		ARCOS DE JALON											
		REFERENCES:	877										
ARD	*	ARDENNE											
		REFERENCES:	87	98	359	360	576						
ARE3		AREAL											
		REFERENCES:	392										
ARE		AREQUIPA											
		REFERENCES:	24	76	252	285	366	469	471	473	722	985	
ARE1	*	ARES											
		REFERENCES:	42	98	101	182	190	191	235	236	337	559	574
			576	737	777	1082							
ARE2		ARES 87											
		REFERENCES:	576										
ARG5		ARGANDA											
		REFERENCES:	877										
ARG2		ARGENTINE											
		REFERENCES:	469	783									
ARG		ARGENTINE SPECIAL											
		REFERENCES:	252										
ARG3		ARGOVIA M											
		REFERENCES:	147										
ARG6		ARGUEDAS											
		REFERENCES:	877										
ARG4	*	ARGUS											
		REFERENCES:	190	191	846								
ARG1	*	ARGYLE											
		REFERENCES:	469										
AR15		ARIANA											
		REFERENCES:	252	403	663	783							
AR14	*	ARIEL											
		REFERENCES:	46	47	110	188	362	405	576	686	737	819	820
			992	1082									

CODE		FULL NAME
ARID		ARIG 8
		REFERENCES: 1013
ARI2	*	ARIMAR
		REFERENCES: 49 252 265 266 271 608 686
ARIB		ARIMONT
		REFERENCES: 51 896
ARIC		ARIOLA
		REFERENCES: 236
ARI6		ARISTAN
		REFERENCES: 252
ARI1	*	ARIVAT
		SYNONYMS: ARI3(404) IMP (1170)
		REFERENCES: 30 35 50 166 190 265 266 268 269 271 303 326 399 404 433 455 611 669 686 742 752 934 953 958 1032 1033 1051 1065 1090 1170
ARI3	*	ARIVAT IMPROVED
		SEE ALSO: ARI1
		REFERENCES: 166 404
ARI	*	ARIZA 1
		REFERENCES: 190 453 608 1138
ARI7	*	ARIZA 2
		REFERENCES: 1138
ARI8	*	ARIZA 3
		REFERENCES: 1138
ARI9	*	ARIZA 4
		REFERENCES: 1138
ARIA		ARIZONA
		REFERENCES: 469
ARK1	*	ARK ROYAL
		REFERENCES: 186 187 190 191 192 311 364 405 426 686 695 809 1143 1175 1178
ARK		ARK. 125
		REFERENCES: 122
ARK2	*	ARKIL
		REFERENCES: 663 686 1176
ARL1		ARLA
		REFERENCES: 46 58 179 336 456 460 663 893 1074 1077 1082
ARL3		ARLINGTON
		REFERENCES: 360 378 722
ARL	*	ARLINGTON AWNLESS
		REFERENCES: 133 136 252 285 433 469 609 1082
ARL2		ARLINGTON WINTER
		REFERENCES: 113
ARL4		ARLINGTON 110
		REFERENCES: 828
ARM1		ARMA
		REFERENCES: 236 364 576 848 1130
ARM	*	ARMELLE
		REFERENCES: 50 184 187 189 190 191 192 311 364 405 453 593 663 686 846 1143
ARN		ARNT
		REFERENCES: 469
ARO1	*	AROC
		SYNONYMS: CORB(405)
		REFERENCES: 405
ARO		AROZO
		REFERENCES: 23
ARR2	*	ARRA
		REFERENCES: 16
ARR	*	ARROW (UD 3101)
		SYNONYMS: ARR1(405)
		REFERENCES: 405
ARR1	*	ARROW (VB 422374/2)
		SEE ALSO: ARR
		REFERENCES: 405
ART2		ARTES 1
		REFERENCES: 1138
ART3		ARTES 2
		REFERENCES: 1138
ART4	*	ARTHRITIS
		REFERENCES: 5
ART1		ARTHUR 2
		REFERENCES: 252

CODE		FULL NAME
ART		ARTIC
		SEE ALSO: OAC
		REFERENCES: 1170
ARV3	*	ARVE
		REFERENCES: 54 576 663
ARV2	*	ARVO
		REFERENCES: 51 58 149 304 639 686 729 730 791 891 907 908 1036 1082 1090
ARV		ARVU
		REFERENCES: 170 771
ARV1	*	ARVU KENIA
		REFERENCES: 45 170
ASA	*	ASA
		REFERENCES: 210 364 704 997 1074 1082 1106 1145
ASA5		ASADABAD
		REFERENCES: 877
ASA6	*	ASAHI 1
		REFERENCES: 1049
ASA8	*	ASAHI 15
		REFERENCES: 1049
ASA9	*	ASAHI 16
		REFERENCES: 1049
ASA2	*	ASAHI 19
		REFERENCES: 637 1012 1045 1049 1098
ASAA	*	ASAHI 21
		REFERENCES: 1049
ASA1	*	ASAHI 5
		REFERENCES: 15 544 637 1012 1049 1098 1099
ASA7	*	ASAHI 6
		REFERENCES: 1049
ASAB		ASAHI 9
		REFERENCES: 1049
ASA3		ASAMUGI
		REFERENCES: 719
ASA4		ASAMUT
		REFERENCES: 686
ASH	*	ASHDON
		REFERENCES: 311 405 846
ASK		ASKANIA
		SEE ALSO: BELB
		REFERENCES: 145 372 434 608 678 686
ASM		ASMAMACK
		REFERENCES: 628
ASM1		ASMARA
		REFERENCES: 363
ASP1	*	ASPA
		SYNONYMS: STR7(1082)
		REFERENCES: 145 363 608 686 963 1030 1082
ASP2		ASPANA
		REFERENCES: 145 363 603 686 801 813 963 1084
ASP	*	ASPLUND
		REFERENCES: 4 43 76 166 252 307 443 460 461 475 579 639 686 712 791 801 841 1034 1060 1082 1170
ASS	*	ASSE
		REFERENCES: 42 101 236 327 328 363 364 372 405 576 663 686 777 809 975 1084 1130
AST2	*	ASTACUS
		REFERENCES: 465 535 872 1082
AST3	*	ASTRA
		SEE ALSO: LIC2
		REFERENCES: 663 1082
AST5		ASTRACHANENSE
		REFERENCES: 75
AST4	*	ASTRID (FRANCE 1962)
		SEE ALSO: AST1
		REFERENCES: 576 737 1082
AST1	*	ASTRID (GFR)
		SYNONYMS: AST4(9999)
		REFERENCES: 42 109 110 191 252 574 819 820 1082
AST	*	ASTRIX
		REFERENCES: 42 50 87 101 182 187 188 190 192 236 278 311 337 338 363 364 453 454 559 574 663 769 777 809 848 1174 1176

CODE		FULL NAME
ASW		ASWAD
		REFERENCES: 611
ATE	*	ATEM
		REFERENCES: 190 191 192 236 364 426 427 434 663 686 1130 1176
ATH2		ATHENAIS
		REFERENCES: 50 252 403 455 608 802 1000
ATH3		ATHENAIS NEW
		REFERENCES: 608
ATH	*	ATHENE
		REFERENCES: 187 188 190 191 192 311 364 425 426
ATH1	*	ATHOS
		REFERENCES: 50 187 188 190 191 192 311 331 364 370 426 686 1077 1143 1160 1176 1178
ATL5	*	ATLANTA
		REFERENCES: 193 364 686
ATL6	*	ATLANTIS
		REFERENCES: 364 574 769 846
ATL8	*	ATLAS (CZECHOSLOVAKIA 1976)
		SEE ALSO: ATL
		REFERENCES: 1128
ATL7	*	ATLAS (GERMANY)
		SEE ALSO: ATL
		REFERENCES: 405
ATL	*	ATLAS (USA)
		SYNONYMS: ATL7(9999) ATL8(9999)
		REFERENCES: 23 24 35 73 76 81 98 101 114 124 133 134 135 148 235 236 267 268 271 283 294 344 359 360 364 405 461 468 471 473 493 495 503 534 544 574 584 618 620 621 622 640 653 656 662 669 682 686 737 816 864 905 916 950 957 986 1012 1033 1038 1154 1163 1170 1172 1200
ATL1	*	ATLAS 46
		REFERENCES: 30 50 166 236 379 405 581 584 596 704 783 802 916 950 957 1012 1032 1041 1170 1172
ATL2	*	ATLAS 54
		REFERENCES: 433 934 957 1012 1032 1170
ATL3	*	ATLAS 57
		REFERENCES: 23 283 686 750 752 879 950 957 1012 1032 1033 1170
ATL4	*	ATLAS 68
		REFERENCES: 236 596 950 955 957
ATS		ATSEL
		REFERENCES: 583
ATT		ATTIKI
		REFERENCES: 364 381 608 1000 1176
AUD	*	AUDLEY
		REFERENCES: 405 846
AUG		AUGUSTA
		REFERENCES: 364
AUK		AUKSINYAI 2
		REFERENCES: 979 1082 1084 1086
AUR3	*	AURA
		REFERENCES: 364 405 663 846 1176 1178
AUR	*	AUREA
		REFERENCES: 42 178 190 236 364 370 426 427 574 757 846 945 946
AUR4		AUREUM
		REFERENCES: 686
AUR5		AURIU
		REFERENCES: 873
AUR2	*	AURORA
		REFERENCES: 1082
AUR1	*	AURORE
		REFERENCES: 23 43 45 47 78 190 228 252 355 356 357 358 359 361 405 576 608 686 737 777 836 846 997 1114
AUS		AUSTRALIAN
		REFERENCES: 102 210 464 663 773 1165
AUS1	*	AUSTRALIAN CHEVALIER
		SEE ALSO: AUS2
		REFERENCES: 81 363 637

CODE		FULL NAME
AUS2		AUSTRALIAN EARLY
		SEE ALSO: PRI3
		SYNONYMS: AUS1(9999)
		TRANSLATIONS: AUS3(GER)
		REFERENCES: 97 816 968 1082 1090
AUS5		AUSTRALIAN WHITE
		REFERENCES: 469
AUS6		AUSTRALIE
		REFERENCES: 102
AUS7		AUSTRALISCHE
		REFERENCES: 686
AUS3		AUSTRALISCHE FRUHE
		SEE ALSO: AUS2*
		REFERENCES: 379 453 686 695 968
AUS4		AUSTRIA
		REFERENCES: 469 686 1008
AVA		AVANGUARDIA
		REFERENCES: 252
AVA1		AVAR 2
		REFERENCES: 34
AVI		AVILA
		REFERENCES: 236 663 998
AWA		AWAMUGI
		REFERENCES: 800
AWN		AWNLESS
		REFERENCES: 252 360 676 686 687 828 866
AXU		AXUM
		REFERENCES: 877
AYA		AYAME HADAKA
		REFERENCES: 602
AZA1		AZAM 1
		REFERENCES: 881
AZA2		AZAM 13
		REFERENCES: 881
AZA		AZAMAT
		REFERENCES: 9 10 890 1084
AZE		AZEZO
		REFERENCES: 877
AZH		AZHER
		SEE ALSO: AGE
		REFERENCES: 992 1082 1104
AZI		AZILAL
		REFERENCES: 877
AZU1		AZUMA
		REFERENCES: 686 1010
AZU	*	AZUMA GOLDEN
		REFERENCES: 505 658 686 1012 1049 1190
AZU2	*	AZURE
		REFERENCES: 350 353
B16		B 16
		REFERENCES: 621 622
B18		B 18
		REFERENCES: 761
B2		B 2
		REFERENCES: 761
B20		B 2038
		REFERENCES: 334
B21		B 2145
		REFERENCES: 144 146 173 771 836 1062
B29		B 294
		REFERENCES: 698
B42		B 42
		REFERENCES: 761
B49		B 49
		REFERENCES: 578
B6		B 6
		REFERENCES: 761
B69	*	B 69
		REFERENCES: 102
B7		B 7
		REFERENCES: 761
B85	*	B 85
		REFERENCES: 102

CODE		FULL NAME
B400		B-400
		REFERENCES: 1154
BAB1		BABAL
		REFERENCES: 877
BAB		BABOLNAI
		REFERENCES: 686
BAB2		BABOLNAI 111
		REFERENCES: 1110
BAC2	*	BACCHUS
		REFERENCES: 190
BAC1		BACHNE 2
		REFERENCES: 232
BAC		BACHTAL
		REFERENCES: 170
BAD		BADESSA
		REFERENCES: 153 252
BAD1		BADGER
		REFERENCES: 263
BAE		BAECHWI
		SYNONYMS: BAI5(653)
		REFERENCES: 653 677 844
BAE1		BAEGDONG
		SYNONYMS: SHI4(653)
		REFERENCES: 653 677
BAE2	*	BAEGDONG 38
		REFERENCES: 653
BAE4		BAEKSAKAK
		REFERENCES: 628
BAE3		BAENTSCH NAKED
		REFERENCES: 1105
BAH		BAHAR DOR
		REFERENCES: 877
BAI6		BAICHAI
		REFERENCES: 628
BAI		BAILEY
		REFERENCES: 41 252
BAI3		BAILLARGE
		REFERENCES: 252
BAI7		BAILLARGE 1
		REFERENCES: 102
BAI8		BAILLARGE 2
		REFERENCES: 102
BAI9		BAILLARGE 3
		REFERENCES: 102
BAIA		BAILLARGE 4
		REFERENCES: 102
BAIB		BAILLARGE 5
		REFERENCES: 102
BAIC		BAILLARGE 6
		REFERENCES: 102
BAID		BAILLARGE 7
		REFERENCES: 102
BAI5		BAITORI
		SEE ALSO: BAE
		REFERENCES: 469 540 617 653 686 738 832 1049
BAI4		BAITORI 1
		REFERENCES: 252 541 1035 1041
BAI1		BAITORI 10
		REFERENCES: 690
BAIE	*	BAITORI 105
		REFERENCES: 1049
BAI2	*	BAITORI 11
		REFERENCES: 690 1049
BAJ	*	BAJO ARAGON 1
		REFERENCES: 1138
BAJ1	*	BAJO ARAGON 2
		REFERENCES: 1138
BAJ2	*	BAJO ARAGON 3
		REFERENCES: 1138
BAJ3	*	BAJO ARAGON 4
		REFERENCES: 1138
BAJ4	*	BAJO ARAGON 5
		REFERENCES: 1138

CODE		FULL NAME	
BAJ5		BAJO ARAGON 6	
		REFERENCES:	1138
BAK2		BAKER	
		REFERENCES:	24 469 474
BAK1	*	BAKOV 17	
		REFERENCES:	686 1082
BAK3		BAKSON	
		REFERENCES:	866
BAK		BAKU	
		SYNONYMS:	TWO (469)
		REFERENCES:	468 469 934 1015 1082
BALO		BALA	
		SEE ALSO:	SAB
		REFERENCES:	405
BALJ		BALADI	
		REFERENCES:	257
BALG		BALADI 16	
		REFERENCES:	50 100 321 356 403 405 576 608 655 686
BALL		BALADI 265	
		REFERENCES:	154 303
BAL5	*	BALAZOTE 1	
		REFERENCES:	1138
BAL6	*	BALAZOTE 2	
		REFERENCES:	1138
BAL7	*	BALAZOTE 3	
		REFERENCES:	1138
BAL8	*	BALAZOTE 4	
		REFERENCES:	1138
BAL9		BALAZOTE 5	
		REFERENCES:	1138
BALA	*	BALAZOTE 6	
		REFERENCES:	1138
BALB	*	BALAZOTE 7	
		REFERENCES:	1138
BALC	*	BALAZOTE 8	
		REFERENCES:	1138
BALD	*	BALAZOTE 9	
		REFERENCES:	1138
BAL2		BALD BEARDLESS	
		REFERENCES:	252
BAL3		BALD SKINLESS	
		REFERENCES:	252 1121
BALE	*	BALDELLON 1	
		REFERENCES:	1138
BAL	*	BALDER	
		REFERENCES:	30 43 44 45 47 114 123 146 167 174 175 176 178 180 190 191 232 252 253 255 304 333 335 361 373 377 379 405 408 453 460 461 523 531 576 597 608 618 638 639 651 663 686 695 729 730 760 771 777 782 807 808 809 836 847 876 882 891 907 908 976 1001 1034 1064 1081 1082 1090 1106 1114 1132 1133 1146 1175 1177
BAL1	*	BALDER J	
		REFERENCES:	75 374 379 639 729 791 866 907 908 1081 1082 1089 1106 1146
BAL4		BALDER(XR)	
		REFERENCES:	729 1081 1082
BALK		BALDRIC	
		REFERENCES:	263
BALM		BALKAN	
		REFERENCES:	593
BALN		BALLIA	
		REFERENCES:	1054
BALP		BALMEN	
		REFERENCES:	50
BALI		BALOUCHISTAN	
		REFERENCES:	379 783
BALH	*	BALTSAR	
		REFERENCES:	424 846
BAM	*	BAMSE	
		REFERENCES:	443
BAN	*	BANBA	
		REFERENCES:	45 125 254 255 256 361 364 513 514 547 663 686 715 809 831 1174

CODE		FULL NAME
BANB		BANDAI HADAKA
		REFERENCES: 608 1049
BANA		BANDO SHU
		REFERENCES: 544
BAN9	*	BANDULLA
		REFERENCES: 913 1012
BAN3		BANGJU
		SYNONYMS: BOU (653)
		REFERENCES: 628 629 653
BAN5	*	BANGJU(XR)
		REFERENCES: 653
BAN4		BANGJUJEONBUG 7
		REFERENCES: 628 653
BAN6	*	BANGSA 6
		REFERENCES: 628 653 677
BAN1		BANKUTI
		REFERENCES: 252
BAN2		BANKUTI KORAI
		REFERENCES: 252 704 714 1082 1087
BANC		BANKUTI KORAI TAVASZI
		REFERENCES: 686
BAN7		BANKUTI 9
		REFERENCES: 42 236 574 608 769 846 1049 1082
BAND	*	BANSEI GOLDEN MELON
		REFERENCES: 1049
BAN8	*	BANTENG
		REFERENCES: 364 574 1174
BAO		BAO-SHAN-ER-LIN
		REFERENCES: 706 882 1037
BARG		BARAGAN
		REFERENCES: 1090
BAR7	*	BARBARA
		REFERENCES: 186 187 608 663
BARB		BARBARY
		REFERENCES: 469 474
BARH	*	BARBE ROUSSE
		REFERENCES: 236 364 576 1130
BAR1		BARBLESS
		SEE ALSO: WIS
		REFERENCES: 5 252 399 433 491 504 668 1170
BARI	*	BARBO
		REFERENCES: 364 574 769
BAR	*	BARBOFF
		SYNONYMS: NOB2(1170)
		REFERENCES: 199 251 252 464 479 527 686 828 1015 1170
BARO		BARDEY
		REFERENCES: 877
BARM		BARGIERS
		REFERENCES: 464
BARK		BARI
		REFERENCES: 783
BAR8	*	BARIN
		SYNONYMS: BAY4(9999)
		REFERENCES: 43 45 663 686 1082 1135 1152
BARF		BARK
		REFERENCES: 469
BARP		BARKI
		REFERENCES: 877
BAR5		BARLEY WHEAT
		SEE ALSO: BEA7 BEA8
		REFERENCES: 461 996
BARJ		BARLEY 191
		REFERENCES: 302
BARA		BARLEY 305
		REFERENCES: 937 939
BARS		BARLIS
		REFERENCES: 877
BARC	*	BARLUENGA 1
		REFERENCES: 1138
BARD	*	BARLUENGA 2
		REFERENCES: 1138
BARE	*	BARLUENGA 3
		REFERENCES: 1138

CODE		FULL NAME
BARR		BAROK
		REFERENCES: 877 1011
BARL		BAROMUGI
		REFERENCES: 866
BAR9	*	BARONNE
		REFERENCES: 20 43 102 252 354 355 378 576 1082
BAR3		BARQUIS
		REFERENCES: 285
BARQ		BARRACHINA
		REFERENCES: 877
BAR6		BARRETT'S PRYOR
		REFERENCES: 996
BAR4	*	BARSOY
		SYNONYMS: OLB (653)
		REFERENCES: 121 143 252 341 429 431 581 644 653 677 849 851
BAR2	*	BARTEL
		REFERENCES: 252 268 269 271 608
BAS		BASHAW
		REFERENCES: 252
BAS1		BASIL
		REFERENCES: 773
BAT		BATNA
		REFERENCES: 403 486 608 937 939
BAT2	*	BATON
		REFERENCES: 405 426
BAT1		BATTLEDORE
		SEE ALSO: PEA1 SPR3
		REFERENCES: 772
BAV		BAVARIA
		SYNONYMS: ACK4(663)
		REFERENCES: 43 97 100 102 378 524 608 713 793 876 906 1082
BAV1		BAVARIAN
		REFERENCES: 469 695
BAX1		BAXTER
		REFERENCES: 469
BAX		BAXTER'S SIX-ROW
		REFERENCES: 199 1170
BAY1	*	BAY
		REFERENCES: 584 852 1062 1170
BAY		BAY BREWING
		SEE ALSO: COA
		REFERENCES: 81 134 344 469 498 815 827 996 1170
BAY2	*	BAYARD
		REFERENCES: 102 355 576 663
BAY4		BAYERN
		SEE ALSO: BAR8
		REFERENCES: 663
BAY3		BAYS 25
		REFERENCES: 877
BAZ		BAZZAX
		REFERENCES: 628
BEA	*	BEACON
		REFERENCES: 50 252 479 686 728 856 900 1084
BEAE		BEAR BARLEY
		SEE ALSO: COML WINC
		REFERENCES: 654 772
BEA7		BEARDED BARLEY WHEAT
		SYNONYMS: BAR5(996)
		REFERENCES: 996
BEA4	*	BEARDLESS
		SEE ALSO: HOR
		REFERENCES: 76 469 721 1170
BEA8		BEARDLESS BARLEY WHEAT
		SYNONYMS: BAR5(996) HOO4(996) NAK2(996) NEP1(996)
		REFERENCES: 996
BEAB		BEARDLESS 20
		REFERENCES: 252 469
BEAA		BEARDLESS 3
		REFERENCES: 252
BEA2		BEARDLESS 5
		SEE ALSO: TEN6
		REFERENCES: 1170

CODE		FULL NAME
BEA1		BEARDLESS 6
		SEE ALSO: TEN3
		REFERENCES: 405 469 1170
BEA3	*	BEARER
		REFERENCES: 199 479 1015 1170
BEAF	*	BEATRICE
		REFERENCES: 236 364 576 663
BEAI	*	BEAULY
		REFERENCES: 405
BEA6		BEAVEN'S ENGLISH ARCHER 4
		SEE ALSO: ENG
		REFERENCES: 81 89 111
BEA5		BEAVEN'S PLUMAGE
		SEE ALSO: PLU3
		REFERENCES: 81
BEAG	*	BEAVENS PLUMAGE ARCHER
		REFERENCES: 976
BEA9		BEAVENS SPECIAL
		REFERENCES: 916 1012
BEAH		BEAVENS 1935
		REFERENCES: 1071
BEAD		BEAVER
		REFERENCES: 469
BEAC		BEAVER DAM 1
		REFERENCES: 252
BEC		BECA
		SEE ALSO: BEK
		REFERENCES: 120
BEC1	*	BECKET
		REFERENCES: 51 405 846
BED	*	BEDFORD
		REFERENCES: 364 1181
BED1		BEDI
		REFERENCES: 49
BEE	*	BEECHER
		REFERENCES: 17 23 30 35 124 127 138 140 141 252 299 379 433 455 461 493 584 608 620 653 752 753 802 912 915 916 1012 1038 1144 1154 1170
BEE1	*	BEERDORFER
		REFERENCES: 663
BEG2		BEG
		REFERENCES: 608
BEG		BEGAS
		REFERENCES: 1138
BEG1		BEGSTRASSER
		REFERENCES: 654
BEK	*	BEKA
		SYNONYMS: BEC (9999)
		REFERENCES: 23 43 44 45 47 78 210 228 235 236 254 361 364 380 576 608 658 686 687 737 777 836 846 882 1082 1090 1174
BELJ		BELA 40
		REFERENCES: 360
BELM		BELADI
		REFERENCES: 1084
BEL	*	BELDI
		REFERENCES: 76 312 474 996 1170
BEL3		BELDI DWARF
		REFERENCES: 252 469 1038
BEL1	*	BELDI GIANT
		REFERENCES: 76 252 433 469 1170
BELE		BELDI GIANT 1
		REFERENCES: 76
BELF		BELDI GIANT 2
		REFERENCES: 76
BEL1		BELE
		REFERENCES: 608
BELB	*	BELFOR
		SYNONYMS: ASK (434)
		REFERENCES: 145 364 434 608 663 686 809 893
BEL2	*	BELFORD
		REFERENCES: 252 1170

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CODE          FULL NAME

BELK      BELGIAN LINE 456
            SEE ALSO:  GEM2
            REFERENCES:    846
BEL6  *   BELLA
            REFERENCES:    469   893   928 1082 1150
BELG      BELLE
            REFERENCES:    648
BELD      BELLI
            REFERENCES:    783
BELL  *   BELLONA
            REFERENCES:    962
BEL7      BELLVER 1
            REFERENCES:   1138
BEL8      BELLVER 2
            REFERENCES:   1138
BELC      BELOE
            REFERENCES:    166
BELN  *   BELOGORSKII
            REFERENCES:   1112
BELO  *   BELOPA
            REFERENCES:    663
BEL9  *   BELORUSSKII
            REFERENCES:    389   806
BELA      BELORUSSKII 18
            REFERENCES:    435   704   818
BEL4      BELOWNEE
            REFERENCES:    252   663   919
BEL5      BELTON
            REFERENCES:    252
BELH      BELUNA
            REFERENCES:    608  1086
BEM       BEMBA
            REFERENCES:    403
BEN9      BEN
            REFERENCES:     76
BEN1      BEN BEARDLESS
            REFERENCES:    252   503
BEN8      BENDER
            REFERENCES:    102
BENA      BENEFITING COUNTY
            REFERENCES:     76
BEN4      BENGHAZI
            REFERENCES:    469   687   934
BEN2      BENI OLID
            REFERENCES:    252
BEND      BENICHINKO
            REFERENCES:   1049
BEN5  *   BENIHADAKA
            REFERENCES:    613   665
BEN6      BENIUME
            REFERENCES:    636
BEN7      BENKEI
            REFERENCES:    665  1049
BEN   *   BENKEI 3
            REFERENCES:    690  1049
BENC  *   BENKEIMUGI
            REFERENCES:   1049
BENB      BENT ENNEBI
            REFERENCES:    312
BEN3      BENTON
            REFERENCES:     51   238   252   346   403   686
BEC   *   BEORNA
            REFERENCES:     43    45    47    92   168   252   253   254   255   301   523
                           531   546   666   831  1082  1177
BER1  *   BERAC
            SYNONYMS:  CIV ( 434)
            REFERENCES:     49    85   120   145   180   187   190   236   335   363   364
                           392   405   434   486   487   593   597   606   666   696   718
                           735   777   809   848   872   893  1087  1129  1143  1173  1174
                          1175
BER       BERE
            SEE ALSO:  COMM
            REFERENCES:     63    92   469   654   760   783
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CODE		FULL NAME
BER6	*	BERENICE REFERENCES: 101 145 236 363 364 405 576 608 686 809 846 1084 1174 1175
BER9		BERG REFERENCES: 783 866
BER7		BERGERSLANDGERSTE REFERENCES: 656
BER6		BERKLEY REFERENCES: 469
BER5		BERNARD REFERENCES: 469
BER2	*	BERNBURG 14717 REFERENCES: 170 326 684
BER3	*	BERRICHONNE REFERENCES: 357 576 1082
BER4		BERRY REFERENCES: 1082
BERA	*	BERTA REFERENCES: 663 1122
BES	*	BESBAR REFERENCES: 104 252 422 568
BES8		BESCHO REFERENCES: 877
BES7		BESELERS WINTER BARLEY REFERENCES: 1092
BES1		BESERT REFERENCES: 252 504
BES9		BESERT 13 REFERENCES: 504
BES6		BESERT 14 REFERENCES: 835
BES5	*	BESSY REFERENCES: 364 405 576
BES3		BESTEHORN GIANT REFERENCES: 469
BES2		BESTEHORN IMPERIAL REFERENCES: 469
BES4		BESTEHORN KAISER REFERENCES: 469
BET8		BETA REFERENCES: 1082
BETA		BETA KETSOROS REFERENCES: 305 628 707
BETG		BETA 13 REFERENCES: 1110
BET9	*	BETA 40 REFERENCES: 9 34 115 393 672 783 987 990 992 1082 1112
BETB		BETA 6 REFERENCES: 783
BETD		BETHGE REFERENCES: 895
BETF		BETHGE VICTORIA REFERENCES: 1121
BET4	*	BETHGE 13 REFERENCES: 43 102 354 355 663 684 906
BET3	*	BETHGE 2 REFERENCES: 43 102 656 663 1082 1092
BETE		BETHGE 4 REFERENCES: 895
BET1		BETHGES M. OETZES 13 SEE ALSO: BET * REFERENCES: 410 686 1170
BET7		BETHGES NAKED WINTER BARLEY REFERENCES: 961
BET5		BETHGES 3 REFERENCES: 102 252 663 686 906
BET2	*	BETINA REFERENCES: 85 101 120 180 190 191 236 364 405 576 686 737 809 812 893 1084

CODE		FULL NAME	
BET		BETZES	
		TRANSLATIONS:	BET1(POL)
		REFERENCES:	43 44 118 131 193 195 210 213 225 226 252 283 363 380 406 433 462 464 506 507 508 510 511 517 575 608 647 648 682 697 728 747 777 822 836 882 1074 1082 1090 1166 1167 1170 1181
BET6		BETZES ERECTOIDES	
		REFERENCES:	252
BEV		BEVEDE	
		REFERENCES:	252 469
BEV1	*	BEVIS	
		REFERENCES:	1071
BEY		BEY	
		REFERENCES:	379 663
BGM		BGM 61	
		REFERENCES:	931
BG1		BG1	
		REFERENCES:	233 657 775 995
BG3		BG15	
		REFERENCES:	775 995
BG4		BG18	
		REFERENCES:	775
BG		BG2	
		REFERENCES:	775
BG5		BG35	
		REFERENCES:	775
BG6		BG36	
		REFERENCES:	775 995
BG2		BG5	
		REFERENCES:	775
BG7		BG55	
		REFERENCES:	775 995
BHA		BHAGARMANY HILLS	
		REFERENCES:	469
BHD2		BHD 12	
		REFERENCES:	657 775
BHD3		BHD 14	
		REFERENCES:	775 995
BHD4		BHD 16	
		REFERENCES:	775
BHD5		BHD 17	
		REFERENCES:	775 995
BHD6		BHD 18	
		REFERENCES:	64 775
BHD7		BHD 19	
		REFERENCES:	775
BHD8		BHD 20	
		REFERENCES:	775
BHD9		BHD 21	
		REFERENCES:	775
BHDA		BHD 22	
		REFERENCES:	775 995
BHDB		BHD 23	
		REFERENCES:	775
BHDC		BHD 24	
		REFERENCES:	775
BHDD		BHD 25	
		REFERENCES:	775
BHDE		BHD 26	
		REFERENCES:	657
BHDF		BHD 27	
		REFERENCES:	657
BHDG		BHD 28	
		REFERENCES:	657
BHDH		BHD 29	
		REFERENCES:	657
BHDI		BHD 30	
		REFERENCES:	657
BHDJ		BHD 31	
		REFERENCES:	657
BHDK		BHD 32	
		REFERENCES:	657
BHDL		BHD 33	
		REFERENCES:	657

CODE		FULL NAME	
BHDM		BHD 34	
		REFERENCES:	657
BHDN		BHD 35	
		REFERENCES:	657
BHDO		BHD 38	
		REFERENCES:	657
BHDP		BHD 39	
		REFERENCES:	657
BHD		BHD 4	
		REFERENCES:	775
BHD1		BHD 6	
		REFERENCES:	657 775
BID	*	BIDO	
		REFERENCES:	23 47 51 85 757 801 809 817 1026 1029 1082 1135 1150
BIF		BIFARB	
		REFERENCES:	33 252 816
BIG2		BIG BARLEY	
		SEE ALSO:	COMM WINC
		REFERENCES:	772
BIG		BIG BOY	
		REFERENCES:	252
BIG3		BIG NORWEGIAN BARLEY	
		REFERENCES:	654
BIG1	*	BIGO	
		REFERENCES:	100 405 608 663 828 887 1082
BIJ		BIJEONWASE	
		REFERENCES:	628
BIN1		BIN	
		REFERENCES:	697
BIN	*	BINDER	
		SYNONYMS:	ABE4(9999)
		REFERENCES:	16 43 44 45 75 81 89 92 97 102 156 178 371 378 379 405 447 453 461 469 523 530 531 618 639 686 695 713 725 771 777 782 790 836 841 876 916 1012 1079 1082 1106 1133 1146
BIN2	*	BINE	
		SYNONYMS:	PAJ3(9999)
		REFERENCES:	663 686 695 1077
BIR2	*	BIRGIT	
		REFERENCES:	364 574 663
BIR	*	BIRGITTA	
		REFERENCES:	47 51 58 334 378 379 405 460 608 809 891 907 908 992 1077 1082
BIR1	*	BIRKA	
		REFERENCES:	193 364 663
BIS	*	BISCARRUES 1	
		REFERENCES:	1138
BIS1	*	BISCARRUES 2	
		REFERENCES:	1138
BIS2	*	BISCARRUES 3	
		REFERENCES:	1138
BIS3	*	BISCARRUES 4	
		REFERENCES:	1138
BIS4	*	BISCARRUES 5	
		REFERENCES:	1138
BIS5		BISKRA	
		REFERENCES:	767
BIS6		BISON	
		REFERENCES:	236
BIZ		BIZEN WASE	
		REFERENCES:	540 653 686 690 1049
BIZ3	*	BIZEN WASE 36	
		REFERENCES:	1049
BIZ2	*	BIZEN WASE 5	
		REFERENCES:	1049
BIZ4	*	BIZEN WASE 53	
		REFERENCES:	1049
BIZ1	*	BIZENWASE SAITAMA 4	
		REFERENCES:	541 783 1049
BJA	*	BJALVE	
		REFERENCES:	1077
BJM		BJM 21	
		REFERENCES:	361

CODE		FULL NAME
BJO		BJORNEBY
		REFERENCES: 475
BJR		BJRNEBY
		REFERENCES: 443 460 1082
BLAF		BLACK
		REFERENCES: 76 469 1025 1148
BLAK		BLACK ABYSSINIAN
		REFERENCES: 469 608
BLA6		BLACK ALGERIAN
		REFERENCES: 24 252 469 608
BLA7		BLACK ARABIAN
		REFERENCES: 133 252 469
BLAO		BLACK AWNLESS
		REFERENCES: 133
BLA1		BLACK BARBLESS
		SEE ALSO: LIO
		SYNONYMS: MIC4(469)
		REFERENCES: 199 469 479 527 1154 1170
BLA3		BLACK BARLEY
		REFERENCES: 23 41 154
BLA8		BLACK DEFICIANS
		REFERENCES: 252 556
BLAH		BLACK EGYPTIAN
		REFERENCES: 51 469 608
BLAE		BLACK JAPAN
		REFERENCES: 469
BLAQ		BLACK KERNAL 2 ROW
		REFERENCES: 663
BLAN		BLACK ROUGH
		REFERENCES: 76
BLA5		BLACK RUSSIAN
		REFERENCES: 252 315 469 599 609 628 783 785 866 933 1015
BLAD		BLACK SKINLESS
		REFERENCES: 461 725
BLA9		BLACK SMYRNA
		REFERENCES: 252 469
BLAG		BLACK WINTER
		SYNONYMS: SOO (654)
		REFERENCES: 469 654
BLA2		BLACKHULL
		REFERENCES: 285 468 469 608 721 942 949 1038 1170
BLA4		BLACKHULL-LESS
		SEE ALSO: EXC
		REFERENCES: 232 252 285 361 403 469 479 498 616 722 941 984 1014 1026 1072
BLAA		BLACKY
		REFERENCES: 252 608
BLA1		BLANCA DE ELCHE
		REFERENCES: 1138
BLAM		BLANCHE D'AFRIQUE
		REFERENCES: 102
BLAB		BLANCO
		REFERENCES: 252
BLA	*	BLANCO MARIOUT
		REFERENCES: 190 252 269 433 608 686 1032 1033 1170
BLAJ		BLANQUETA
		REFERENCES: 783 1138
BLAC	*	BLARNEY
		REFERENCES: 252 469
BLAP		BLATTERKINDER
		REFERENCES: 828 875
BLAL	*	BLAZER
		REFERENCES: 152 824 825
BLE		BLENDA
		REFERENCES: 310
BLU		BLUE
		SEE ALSO: COA
		REFERENCES: 76 344 469 827 1170
BLU7		BLUE BALL
		REFERENCES: 76
BLU2		BLUE HULLESS
		REFERENCES: 252 503
BLU1		BLUE LONG HEAD
		REFERENCES: 199 252 469 1170

```
CODE          FULL NAME

BLU3      BLUE MARIOUT
            REFERENCES:    252
BLU5      BLUE NAKED
            REFERENCES:    816  875 1105
BLU4      BLUE RIBBON
            REFERENCES:    252  469
BLU9      BLUE ROUGH
            REFERENCES:     76
BLU6      BLUE SHORT HEAD
            REFERENCES:    469
BLU8      BLUE SMOOTH
            REFERENCES:     76
BMC   *   BMC
            REFERENCES:     37
BOA       BOA FE
            REFERENCES:     78  880
BOB2  *   BOBCAT
            REFERENCES:    405
BOB       BOBIVSKOI
            REFERENCES:   1028
BOB1      BOBRO
            REFERENCES:    686
BOC3      BOCEN
            REFERENCES:    686
BOC2  *   BOCHEMIA
            REFERENCES:   1082
BOC1  *   BOCK
            REFERENCES:    686 1082
BOC       BOCKENSKI
            REFERENCES:     98  252
BOD   *   BODE
            REFERENCES:    364  443
BOG   *   BOGDAE
            REFERENCES:    653
BOH3  *   BOHATYR
            REFERENCES:    323  687 1128
BOH1  *   BOHEMIA
            REFERENCES:     43  102  355  371  576  722  906
BOH4      BOHEMIA 8
            REFERENCES:    658 1012
BOH   *   BOHEMIAN
            REFERENCES:     43  252  285  469  474  576  846  895 1082
BOH2  *   BOHMAN
            REFERENCES:    469
BOL2  *   BOLEA 1
            REFERENCES:   1138
BOL3  *   BOLEA 2
            REFERENCES:   1138
BOL       BOLIVIA
            REFERENCES:    148  159  160  161  209  210  252  285  366  379  403
                           408  574  581  663  668  721  722  764  777  783  847
                           849  850  875  937  939  940 1020 1082 1084 1151 1170
BOL4  *   BOLLO
            REFERENCES:    364  574  608  769  848 1176
BOL6  *   BOLOTNYI 458
            REFERENCES:    345  686
BOL5      BOLRON
            REFERENCES:    379  783 1072
BOL1      BOLTON
            REFERENCES:    469
BOM3  *   BOMBE
            REFERENCES:    187  405
BOM1      BOMBI ABED
            SEE ALSO:  BOM   BOM2
            REFERENCES:    575 1139
BOM       BOMI
            SYNONYMS:  BOM1(9999) BOM2( 663)
            REFERENCES:     14  289  378  543  993 1050 1140 1157
BOM2  *   BOMI ABED
            SEE ALSO:  BOM
            SYNONYMS:  BOM1( 252)
            REFERENCES:    190  191  249  663  695  962 1077 1082 1156
BOM4      BOMUBORI
            REFERENCES:    617
```

CODE		FULL NAME
BON8	*	BON RUDEN 1
		REFERENCES: 252
BON	*	BONANZA (CANADA 1980)
		REFERENCES: 22 50 131 132 166 195 197 223 225 226 252 353 364 469 481 589 608 686 697 728 773 904 1084 1179 1180 1181 1182 1183
BON9		BONANZA(USA 1912)
		REFERENCES: 469
BONC		BONBORI
		REFERENCES: 617
BON6		BONFARIK
		REFERENCES: 24 252
BONA		BONGIE
		REFERENCES: 608 783
BON1	*	BONNEVILLE
		REFERENCES: 18 19 51 166 252 279 280 281 348 433 518 583 618 668 747 755 858 905 1170 1187
BOND	*	BONNEVILLE DWARF
		REFERENCES: 18 19
BON7	*	BONNEVILLE 70
		REFERENCES: 18 252 279 280 812
BONB		BONNEVILLE(XR)
		REFERENCES: 279 280
BONE		BONUS (NORWAY)
		SEE ALSO: BON2
		REFERENCES: 443
BON2	*	BONUS (SWEDEN)
		SYNONYMS: BONE(9999) SVA5(663)
		REFERENCES: 0 4 23 43 45 47 63 92 126 172 257 274 308 321 358 361 378 379 403 447 448 449 450 451 452 456 460 533 546 578 608 618 729 730 760 771 791 808 834 835 836 882 976 1012 1077 1081 1082 1090 1107 1133 1134 1139 1146
BON5		BONUS M
		REFERENCES: 836 1107
BON4		BONUS 2
		REFERENCES: 168 308 412 760
BON3		BONUS(XR)
		REFERENCES: 45 126 172 405 449 451 460 695 771 782 1082 1085
BOO	*	BOONE
		REFERENCES: 797 798 799
BOQ		BOQUIMENI
		REFERENCES: 877
BOR4		BORDENAVE RANQUELINA
		REFERENCES: 245 252 686
BORA		BORDENAVE RANQUELINA MAG
		REFERENCES: 38
BOR2		BORDIA
		SYNONYMS: GEM2(148)
		REFERENCES: 42 98 101 109 147 148 180 235 237 356 357 358 359 360 574 576 734 777 936 1082
BORE		BORDIER
		REFERENCES: 20
BOR1	*	BORE
		REFERENCES: 275 461 823 1082
BORF		BORE 2
		REFERENCES: 360
BOR3	*	BOREHAM WARRIOR
		REFERENCES: 252 771 1082
BOR9	*	BORETS
		REFERENCES: 446
BORC		BORIDO
		REFERENCES: 866
BORD		BORIMUGI
		REFERENCES: 866
BOR5		BORJAS BLANCAS
		REFERENCES: 1138
BOR6		BORREDA
		REFERENCES: 1138
BOR		BORUN
		REFERENCES: 190 191 336 1170
BOR7		BORYNA
		REFERENCES: 656

CODE		FULL NAME
BORB		BORYUNG
		REFERENCES: 628
BOR8	*	BORZYMOWICKI
		REFERENCES: 656
BOS		BOSHENSKII
		REFERENCES: 1082
BOS1		BOSQUET
		REFERENCES: 364 848 1176
BOT		BOTESSE
		REFERENCES: 252
BOU		BOUZU
		SEE ALSO: BAN3 BOZ2
		REFERENCES: 653
BOY	*	BOYER
		REFERENCES: 51 789 826
BOZ2		BOZU
		SYNONYMS: BOU (649)
		REFERENCES: 649 1049
BOZ1		BOZU OMUGI
		REFERENCES: 614 1049
BOZ3	*	BOZU OMUGI 1
		REFERENCES: 1049
BOZ		BOZU 1
		REFERENCES: 540 602 690
BP3		BP 3
		REFERENCES: 233
BPB		BPB 64/74
		REFERENCES: 405
BR4		BR 4635
		REFERENCES: 218 221 587 588 592
BRA4		BRACHYRUM
		REFERENCES: 626
BRA2		BRACHYTIC
		REFERENCES: 5 252 363 626 919 1047 1097
BRA3	*	BRAGE
		REFERENCES: 43 75 89 461 484 531 713 1082
BRAD		BRANDON 1099
		REFERENCES: 2
BRA1	*	BRANDON 1136
		REFERENCES: 669 1170
BRA5		BRANDON 213
		REFERENCES: 252
BRAE		BRANDON 2131
		REFERENCES: 2
BRAF		BRANDON 216
		REFERENCES: 27
BRAC		BRANDON 3902
		REFERENCES: 884
BRAG		BRANISOVICE VRZ
		REFERENCES: 320
BRAA		BRANISOVICKY
		REFERENCES: 102 1077
BRA6	*	BRANISOVICKY C
		TRANSLATIONS: BRO2(RUS)
		REFERENCES: 320 608 686 687 943 1082 1128
BRA	*	BRANT
		REFERENCES: 202 203 210 239 464 480 605 608 663 686 704 882 997 1014 1082 1084 1170
BRA8		BRASSERIE
		REFERENCES: 469
BRA9		BRAUNE
		REFERENCES: 433 736 987 988 1085
BRAB		BRAUNES MEHLTAURESISTENCE
		REFERENCES: 686 836 846
BRA7		BRAVARNYI PZHR
		SEE ALSO: BRO1*
		REFERENCES: 1082
BREH		BREHAT
		REFERENCES: 102
BREP		BREUGA
		REFERENCES: 928
BRE2		BREUNS
		SEE ALSO: WIS8
		REFERENCES: 186 410 906 1034

CODE		FULL NAME
BRE6		BREUNS ELI
		SEE ALSO: ELI
		REFERENCES: 686 763
BRE4		BREUNS FRANKEN
		REFERENCES: 43 686
BREG		BREUNS FRANKEN 2
		REFERENCES: 45
BRE1	*	BREUNS FRANKEN 3
		SYNONYMS: FRA3(663)
		REFERENCES: 43 183 252 428 686 1082 1105
BRE5	*	BREUNS HEINRICH
		SYNONYMS: HEIQ(1082)
		REFERENCES: 43 1082
BREO		BREUNS MEHLTAURESISTENTE
		REFERENCES: 405
BREQ	*	BREUNS NEUZUCHT
		REFERENCES: 663
BREN		BREUNS NOTA
		REFERENCES: 686
BREE		BREUNS VILLA
		REFERENCES: 145 686
BRE7		BREUNS VOLLA
		SEE ALSO: VOL2
		REFERENCES: 30 252 686 1105
BRE3		BREUNS WISA
		REFERENCES: 43 75 223 235 252 533 686 687 691 809 920 997 1008 1026
BREJ		BREUSTEDT 6129
		REFERENCES: 405 574
BRE9	*	BREUSTEDTS ATLAS
		REFERENCES: 45 574 816 961 972
BREA		BREUSTEDTS FRISIA
		REFERENCES: 1026
BRE8		BREUSTEDTS GRANAT
		REFERENCES: 686 961
BREI		BREUSTEDTS HARZER
		REFERENCES: 102 895
BREM		BREUSTEDTS HARZER IMPERIAL
		REFERENCES: 686
BRED	*	BREUSTEDTS SCHLADENER
		SYNONYMS: SCHA(695)
		REFERENCES: 34 405 576 663 777 816
BREK		BREUSTEDTS STAM
		REFERENCES: 574
BRET		BREUSTEDTS TILLI
		REFERENCES: 972
BREL		BREUSTEDTS 75/29
		REFERENCES: 405 574
BRE	*	BREVIA
		REFERENCES: 145 334 363 405 603 608 663 686 1150 1174
BREF		BREWERS
		REFERENCES: 89 410 484
BREC		BREWERS DELIGHT
		REFERENCES: 469
BREB		BREWERS FAVORITE
		REFERENCES: 469
BRI6		BRIC 65
		REFERENCES: 299
BRI1		BRICKHORN
		REFERENCES: 252
BRI7		BRIER
		REFERENCES: 368 379 628 783 866 1172
BRI9		BRIER 7157
		REFERENCES: 686
BRI	*	BRIGGS
		REFERENCES: 608 728 741 742 953 956 994
BRI8		BRIGHT GREEN
		REFERENCES: 697
BRI4		BRIGITTA
		REFERENCES: 456
BRI2	*	BRIO
		REFERENCES: 27 461 759
BRI3	*	BRITTA
		REFERENCES: 47 686 893 1082 1150

CODE		FULL NAME
BRI5		BRITTLE RACHIS
		REFERENCES: 835
BRO	*	BROCK
		REFERENCES: 222 224 324 326 608 642 686 795 924 925 927 1023 1084
BRO3	*	BROME
		REFERENCES: 469
BRO2		BRONISHOVITSKII C
		SEE ALSO: BRA6*
		REFERENCES: 1082
BRO7	*	BRONISOVICKY
		REFERENCES: 836
BRO5		BROWARNY OF SVALOF
		REFERENCES: 687
BRO1	*	BROWARNY PZHR
		TRANSLATIONS: BRA7(RUS)
		REFERENCES: 656 933 947 1082
BRO4	*	BROWARNY PZHR (STRZELCE)
		REFERENCES: 656 686 836
BRO6		BROWN
		REFERENCES: 75
BRU8	*	BRUCE
		REFERENCES: 364 925
BRU1		BRUCKER NO 2
		REFERENCES: 252 360 760 1082
BRU2		BRUCKER NO 3
		REFERENCES: 34 115 360 760 1123
BRU5		BRUCKER RESISTA
		REFERENCES: 686 1008
BRU3		BRUCKER 2-ROWED NO 34
		REFERENCES: 1008 1009 1152
BRU4		BRUCKER 2-ROWED NO 4
		REFERENCES: 53 1008 1009
BRUC		BRUCKER 6-ROW NO 34
		REFERENCES: 53
BRUA		BRUGH
		REFERENCES: 783
BRUB		BRUGH 23
		REFERENCES: 783
BRU		BRUGH 76
		REFERENCES: 866 1170
BRU6		BRUKER 4 ROW NO 4
		REFERENCES: 115 663 809 1135 1152
BRU7		BRUSH
		REFERENCES: 469
BRU9		BRUSSELL
		REFERENCES: 50
BRZ		BRZESKI
		REFERENCES: 412
BR1		BR22
		REFERENCES: 25 68 555 556 775 995
BR2		BR31
		REFERENCES: 775
BR3		BR32
		REFERENCES: 68 232 775 995
BR5		BR33
		REFERENCES: 775
BUC2		BUCHER
		REFERENCES: 608
BUC1		BUCHI 1
		REFERENCES: 628
BUC		BUCIANSKY
		REFERENCES: 687 997
BUC3		BUCIANSKY KNEIFEL
		REFERENCES: 686
BUC5		BUCK ANDINA
		REFERENCES: 245
BUC4		BUCK 111
		REFERENCES: 686
BUC6	*	BUCKNERS BEREDELTE SCHLESISCHE
		REFERENCES: 663
BUD		BUDDAH
		REFERENCES: 76 252

CODE		FULL NAME	
BUE		BUENOS AIRES 109	
		REFERENCES:	252 686
BUF		BUFF	
		REFERENCES:	686
BUH	*	BUHEUNG	
		REFERENCES:	252 628 653 677
BUH1	*	BUHOBORI	
		REFERENCES:	677
BUK		BUKANSKY	
		REFERENCES:	836
BUL		BULCHI GOFA	
		REFERENCES:	396
BUL4		BULGARIA 1241	
		REFERENCES:	115 608
BUL1		BULGARIAN	
		REFERENCES:	252 469 866
BUL2		BULGARIAN WINTER	
		SEE ALSO:	WIS7
		REFERENCES:	246 469
BUL5		BULGARIAN 1294	
		REFERENCES:	574
BUL6		BULGARIAN 1337	
		REFERENCES:	574
BUL7		BULGARIAN 4584	
		REFERENCES:	574
BUL8		BULGARIAN 5652	
		REFERENCES:	574
BUL3		BULLOBAR	
		REFERENCES:	628
BUN1		BUNI	
		REFERENCES:	1084
BUN	*	BUNONG	
		REFERENCES:	653
BUR2		BURBANK	
		REFERENCES:	252
BUR		BURBANKS HULLESS	
		REFERENCES:	479
BUR6		BURCKNERS SILESIAN	
		REFERENCES:	246
BUR5		BUREA	
		REFERENCES:	75
BURB		BURGARAB	
		REFERENCES:	504
BUR3	*	BURGO DE EBRO	
		REFERENCES:	1138
BUR4		BURGUETE (B)	
		REFERENCES:	1138
BUR1		BURTON MALTING	
		REFERENCES:	81 82 89 156
BUR7	*	BURWELL	
		REFERENCES:	405
BUR8		BURYE 1	
		REFERENCES:	877
BUR9		BURYE 2	
		REFERENCES:	877
BURA		BURYE 3	
		REFERENCES:	877
BUS2	*	BUS:ZEP 166	
		REFERENCES:	1012
BUS	*	BUSSELL	
		REFERENCES:	140 253 534 620 753 1012
BUS1		BUSSER	
		SEE ALSO:	ALB2
		REFERENCES:	43 45 168 308 361 1082
BUT		BUTTENHARDT 3	
		REFERENCES:	686
BYG		BYG 191	
		REFERENCES:	809 846
BYN	*	BYNG	
		REFERENCES:	27 95 193 199 208 210 225 226 251 277 398 461 464 479 616 642 643 686 704 759 839 1015 1170
BYN1		BYNG TUNGA	
		REFERENCES:	686

CODE		FULL NAME
B81		B8129 MC
		REFERENCES: 225 642
C171		C I 7208
		REFERENCES: 21
C13		C 138
		REFERENCES: 68 555 556 829 1052 1053
C141		C 141
		REFERENCES: 622
C16		C 164
		REFERENCES: 232 233 994
C251		C 251
		REFERENCES: 31 68 260 556 1054
C50		C 50
		REFERENCES: 106 1054 1055
C63		C 63
		REFERENCES: 608 621 622
C65		C 65
		REFERENCES: 621 622
C84		C 84
		REFERENCES: 1054
C916		C 9/16
		REFERENCES: 621
C96		C 9/6
		REFERENCES: 622
C17		C. 177
		REFERENCES: 175 1082
CM6	*	C.M.67
		REFERENCES: 50 596 728 741 742 951 954 956 957 959 994 1051 1188
CAB3		CABALLAR DE ALCALA DE HENARES 134
		REFERENCES: 1138
CAB2		CABALLAR DE ALCALA DE HENARES 182
		REFERENCES: 1138
CAB4		CABALLAR DE HARO
		REFERENCES: 1138
CAB5		CABALLAR DE RUMANIA
		REFERENCES: 1138
CAB6	*	CABALLERA
		REFERENCES: 1138
CAB1		CABALLERO
		REFERENCES: 252
CAB		CABEZA
		REFERENCES: 285
CAB7	*	CABOLAFUENTE 1
		REFERENCES: 1138
CAB8	*	CABOLAFUENTE 2
		REFERENCES: 1138
CAB9	*	CABRO
		REFERENCES: 236 576
CAD		CADIZ
		REFERENCES: 1138
CAD2		CADMUS
		REFERENCES: 783
CAD1		CADREITA (B)
		REFERENCES: 1138
CAF		CAFAF
		REFERENCES: 877
CAJ		CAJA
		REFERENCES: 663
CAL8	*	CALAMOCHA 1
		REFERENCES: 1138
CAL9	*	CALAMOCHA 2
		REFERENCES: 1138
CALF		CALCU
		REFERENCES: 245 877
CAL	*	CALHOUN
		REFERENCES: 252 764 766 866 1170
CALB		CALIF
		REFERENCES: 426
CAL4		CALIFORNIA
		SEE ALSO: COA
		REFERENCES: 252
CALD		CALIFORNIA BREWING
		REFERENCES: 76

CODE		FULL NAME
CALA		CALIFORNIA CENTGENER
		REFERENCES: 469
CALE		CALIFORNIA CHEVALLIER
		REFERENCES: 76
CAL1	*	CALIFORNIA COAST
		SYNONYMS: BAY (1170) CAL2(1170) COM4(1170)
		REFERENCES: 252 1038 1170
CAL2		CALIFORNIA FEED
		SEE ALSO: COA
		REFERENCES: 76 721 937 1170
CAL3		CALIFORNIA MARIOUT
		SYNONYMS: MAR3(1170)
		REFERENCES: 81 134 252 265 266 268 269 271 299 433 471 473 669 951 953 956 957 958 959 996 1032 1051 1121 1170 1188
CAL7		CALIFORNIA PROLIFIC
		REFERENCES: 469
CALH		CALIFORNIA 2
		REFERENCES: 1200
CAL5		CALIFORNIAN 1
		REFERENCES: 76 252
CALC		CALLAS
		REFERENCES: 721
CAL6		CALOTTE
		REFERENCES: 252
CALG		CALTOJAR
		REFERENCES: 877
CAM4		CAMARASESCU
		REFERENCES: 793
CAM3		CAMBRIDGE ARCHER
		REFERENCES: 89
CAM	*	CAMBRINUS
		SYNONYMS: GAM (23)
		REFERENCES: 47 84 92 174 230 263 284 288 310 332 349 374 381 403 405 453 486 515 516 523 524 560 597 608 686 691 693 809 906 1077 1082 1090 1170 1173 1176
CAM2		CAMILA
		REFERENCES: 364 686
CAM1	*	CAMTON
		REFERENCES: 45 165 168 301 531 706 760 790 976 998 1079
CANA		CAN CUN DE MAJ
		REFERENCES: 686
CAN2		CANADA WINTER
		REFERENCES: 469
CAN3		CANADIAN
		REFERENCES: 469
CAN		CANADIAN LAKE SHORE
		REFERENCES: 252 469 619 1164
CAN8		CANADIAN MAMMOTH WINTER BARLEY
		REFERENCES: 654 663
CAN5		CANADIAN MARIOUT
		REFERENCES: 1068
CAN1		CANADIAN THORPE
		REFERENCES: 1 2 199 212 252 464 469 479 582 686 815 1170
CAND		CANALON
		REFERENCES: 877
CANB	*	CANBERRA
		REFERENCES: 405
CANC	*	CANDICE
		REFERENCES: 192 405
CAN7		CANNELLS ARCHER
		REFERENCES: 89
CAN9		CANO 1
		SYNONYMS: EB9A(1093)
		REFERENCES: 1080
CAN4	*	CANOVA
		REFERENCES: 364 603 608 663 686 809 1077 1174 1175
CAN6		CANTON CHIEF
		REFERENCES: 166
CAP		CAPE
		REFERENCES: 81 137 138 139 229 461 469 504 654 663 687 725 770 775 887 912 937 1025 1049 1071 1121 1148

CODE		FULL NAME
CAP3		CAPE COAST
		REFERENCES: 75 771 875 887 1082
CAP1		CAPE EARLY
		SYNONYMS: EAR5(996) VRO (996)
		REFERENCES: 996
CAP2		CAPE SIX ROW
		SYNONYMS: OLD4(996) SMY (996)
		REFERENCES: 461 996
CAP7		CAPE 2
		REFERENCES: 51
CAP4		CAPE-COAST HYBRID
		REFERENCES: 252
CAP8		CAPELIA
		REFERENCES: 686
CAP6	*	CAPRI
		REFERENCES: 236 364 574 1130 1176
CAP5		CAPTAIN BILL
		REFERENCES: 252
CARQ	*	CARGO
		REFERENCES: 846
CAR7	*	CARIBOU
		REFERENCES: 145 252 647 648 686 795 1166
CARS	*	CARILLON
		REFERENCES: 663
CARA	*	CARINA
		SYNONYMS: ANI1(405)
		REFERENCES: 51 54 145 236 363 364 608 663 686 777 809 871 963 1173 1174 1175 1176 1178
CAR	*	CARLSBERG
		REFERENCES: 4 7 16 39 43 45 63 72 92 167 168 170 176 183 191 241 253 254 255 256 301 308 329 333 379 405 439 462 464 469 531 532 546 554 576 608 618 639 651 658 686 687 695 778 790 791 807 808 809 836 846 916 943 976 977 1079 1082 1105 1114 1128 1132 1146 1177 1196
CAR2	*	CARLSBERG 2
		REFERENCES: 42 43 45 47 53 75 84 97 99 146 167 168 169 170 228 235 252 253 273 274 308 361 363 379 381 389 445 519 542 575 576 598 604 656 686 687 695 707 777 808 809 882 979 1008 1082 1084 1085 1106 1124 1125 1126 1127 1133 1134 1135 1146 1152 1158 1177 1196 1197 1198
CARF		CARMELA BAER
		REFERENCES: 364
CAR1	*	CARMEN
		REFERENCES: 120 363 364 392 576 608 663 686 737 777 871 1084 1127
CARL	*	CARNIVAL
		REFERENCES: 190 191 192 663
CARN		CARRALON
		REFERENCES: 663 877
CARR		CARRE DE PRINTEMPS
		REFERENCES: 101
CAR6		CARRE 180
		REFERENCES: 232 937 939
CARJ		CARRE 26
		REFERENCES: 527
CARG		CARRE 42
		REFERENCES: 783
CARP	*	CARREE
		REFERENCES: 275 576
CARE		CARREE D'ALGERIE
		REFERENCES: 767 1088
CARM	*	CARRON
		REFERENCES: 405
CAR9		CARSTEN
		REFERENCES: 90 145 355 360 868 906
CARK		CARSTENS CONTRA
		REFERENCES: 686
CAR5		CARSTENS WINTERGERSTE
		SEE ALSO: CARC*
		REFERENCES: 185

CODE		FULL NAME
CARB		CARSTENS ZWEIZWILIGE WINTERGERSTE SEE ALSO: CARC* REFERENCES: 574 694 1082
CARC	*	CARSTENS 2 ROWED WINTER TRANSLATIONS: CARB(GER) CAR5(GER) REFERENCES: 42 190 246 343 370 574 945 946 1082
CAR4		CARSTENS 2-ROW REFERENCES: 178 574 816 1093
CARO		CARTAYA REFERENCES: 877
CARD		CARTER REFERENCES: 469
CAR3		CARTER'S PRIZE PROLIFIC SEE ALSO: PRI7 REFERENCES: 984
CAR8		CARTOUCH REFERENCES: 252 469 866 1002
CARI		CARYTID REFERENCES: 866
CAS1	*	CASBON REFERENCES: 238 252 348 686
CAS	*	CASCADE REFERENCES: 252 275 348 497 608 866 1170
CASE		CASELL REFERENCES: 608
CASD		CASPIAN REFERENCES: 379 783
CASC		CASS REFERENCES: 416 644
CAS2	*	CASTARLENAS 1 REFERENCES: 1138
CAS3	*	CASTARLENAS 2 REFERENCES: 1138
CAS4	*	CASTARLENAS 3 REFERENCES: 1138
CAS5	*	CASTARLENAS 4 REFERENCES: 1138
CAS6	*	CASTEJON DE SOBRARBE 1 REFERENCES: 1138
CAS7	*	CASTEJON DE SOBRARBE 2 REFERENCES: 1138
CAS8	*	CASTEJON DE SOBRARBE 4 REFERENCES: 1138
CAS9	*	CASTEJON DE SOS 1 REFERENCES: 1138
CASA	*	CASTEJON DE SOS 2 REFERENCES: 1138
CASF		CASTEL REFERENCES: 1130
CASG	*	CASTELLA REFERENCES: 846
CASB		CASWELL REFERENCES: 469
CAT1		CATANIA REFERENCES: 469
CAT	*	CATSKILL REFERENCES: 252 568 569
CAU		CAUCASIAN SYNONYMS: CAU2(469) REFERENCES: 252 387 469 998
CAU2		CAUCASIAN HULL-LESS SEE ALSO: CAU REFERENCES: 469 1015
CAU1		CAULDWELL REFERENCES: 252
CAV1	*	CAVALIER REFERENCES: 405 576 846
CAV		CAVEDA REFERENCES: 23 469
CB8		CB 881 REFERENCES: 230
CB1	*	CB. 102 REFERENCES: 170

CODE		FULL NAME	
CEA		CEALA ANPHORAN	
		REFERENCES:	877
CEA1		CEALA NAN	
		REFERENCES:	877
CEB6		CEBADA	
		REFERENCES:	686
CEB1		CEBADA CAPA	
		REFERENCES:	232 252 379 385 403 408 487 581 608 686 745 783 845 903 937 940 985 1014 1016 1017 1018 1019 1021 1022 1084 1088 1102 1151
CEB3		CEBADA DU LLOBREGAT	
		REFERENCES:	767
CEB7		CEBADA FORAJERA	
		REFERENCES:	381 686
CEBC		CEBADO BALLOBAR	
		REFERENCES:	877
CEB2	*	CEBECO EMIR	
		SEE ALSO:	EMI
		REFERENCES:	434 1027
CEB8	*	CEBECO 201	
		REFERENCES:	230 846
CEBD	*	CEBECO 207	
		REFERENCES:	846
CEBB		CEBECO 6010	
		REFERENCES:	244 370 405
CEBE	*	CEBECO 6107	
		REFERENCES:	846
CEB		CEBECO 6203	
		SEE ALSO:	JUL1
		REFERENCES:	334 453 686 847 1082
CEBF		CEBECO 6501	
		SEE ALSO:	ARA2
		REFERENCES:	846 1173
CEB9	*	CEBECO 6721	
		REFERENCES:	405 962
CEB5		CEBECO 6723	
		REFERENCES:	608
CEB4		CEBECO 7161	
		REFERENCES:	75
CEBA	*	CEBECO 7934	
		REFERENCES:	405
CEL		CELAYA	
		REFERENCES:	50 608
CEL3		CELECHOVICKY	
		REFERENCES:	146 405
CEL2	*	CELECHOVICKY HANACKY	
		REFERENCES:	33 686 1128
CEL4		CELESTA	
		SEE ALSO:	NIC
CEL1		CELINNYJ 5	
		REFERENCES:	51 686
CEN9		CENAD 1251	
		REFERENCES:	115
CEN8		CENAD 132	
		REFERENCES:	115
CEND		CENAD 344	
		REFERENCES:	34
CEN3		CENAD 345	
		REFERENCES:	115 291 558 608 883 1082 1123
CEN1	*	CENAD 395	
		REFERENCES:	115 246 608 736 1082
CEN2	*	CENAD 396	
		REFERENCES:	98 115 291 608 883 888 1082 1123
CENB		CENAD 399	
		REFERENCES:	574
CENC		CENAD 450	
		REFERENCES:	608
CEN6		CENAD 578	
		REFERENCES:	883
CEN7		CENAD 596	
		REFERENCES:	883
CENA		CENAD 869	
		REFERENCES:	115

CODE		FULL NAME
CEN	*	CENTENNIAL
		REFERENCES: 193 220 226 252 364 582 686 1084
CEN4	*	CENTRA
		REFERENCES: 1082
CEN5		CENTRE
		REFERENCES: 469
CER	*	CERES
		SEE ALSO: CER4
		REFERENCES: 120 184 186 188 228 364 458 686 809 887 1082
CER4	*	CERES (FRANCE)
		SYNONYMS: CER (1082)
		REFERENCES: 42 101 190 235 236 403 453 576 608 663 737 777 846 887 1082 1138
CER2	*	CERESIA
		REFERENCES: 734 876 1082 1203
CER3	*	CERISE
		REFERENCES: 189 190 191 192 236 364 663 1130
CERM		CERNIA
		REFERENCES: 372
CERL		CERNOMOREL
		REFERENCES: 145
CERO	*	CERRO
		REFERENCES: 663 1122
CERK		CERRO PRIETO
		REFERENCES: 50
CERJ	*	CERTA
		REFERENCES: 145 576 608 663 686 737 777 871 872
CER1		CERTINA
		SYNONYMS: SER (1082)
		REFERENCES: 103 465 603 663 686 960 966
CERP		CERVECERA
		REFERENCES: 934
CER6	*	CERVECERA DE BURGUETE 1
		REFERENCES: 1138
CER7		CERVECERA DE BURGUETE 2
		REFERENCES: 1138
CER5		CERVECERA NO 34
		REFERENCES: 1138
CER8		CERVECERA X PRECOZ 1
		REFERENCES: 1138
CERH	*	CERVECERA X PRECOZ 10
		REFERENCES: 1138
CERI	*	CERVECERA X PRECOZ 11
		REFERENCES: 1138
CER9	*	CERVECERA X PRECOZ 2
		REFERENCES: 1138
CERA	*	CERVECERA X PRECOZ 3
		REFERENCES: 1138
CERB	*	CERVECERA X PRECOZ 4
		REFERENCES: 1138
CERC	*	CERVECERA X PRECOZ 5
		REFERENCES: 1138
CERD	*	CERVECERA X PRECOZ 6
		REFERENCES: 1138
CERE	*	CERVECERA X PRECOZ 7
		REFERENCES: 1138
CERF	*	CERVECERA X PRECOZ 8
		REFERENCES: 1138
CERG	*	CERVECERA X PRECOZ 9
		REFERENCES: 1138
CERN		CERVECERA 2034
		REFERENCES: 998
CES		CESARSKI STIEGLERA
		REFERENCES: 656
CEV		CEVADA DE SEIS ORDEND
		REFERENCES: 880 1014
CF4		CF 45-2
		REFERENCES: 236
CF9		CF 91
		REFERENCES: 236
CHAC		CHAE RAE BAEC
		REFERENCES: 153
CHAF		CHALCHARAN
		REFERENCES: 877

CODE		FULL NAME	
CHAH		CHALET	
		REFERENCES:	1002
CHAE		CHAMOIS	
		SEE ALSO:	DRA
		REFERENCES:	405
CHA4		CHAMPION	
		REFERENCES:	469
CHA1		CHAMPION OF VERMONT	
		REFERENCES:	469 1170
CHA7		CHAMPION-PAMIR	
		REFERENCES:	1060
CHA3	*	CHAMPLAIN	
		REFERENCES:	215 225 239 252 397 398 642 643
CHA8		CHANG TUNG	
		REFERENCES:	608
CHAD		CHANGE MAE 15	
		REFERENCES:	534 877
CHAA		CHARKOVSKY 306	
		REFERENCES:	686
CHAB		CHARKOVSKY 410	
		REFERENCES:	686
CHA9		CHARKOVSKY 60	
		REFERENCES:	686
CHA	*	CHARLOTTETOWN 80	
		REFERENCES:	27 33 76 157 195 199 210 239 251 252 464 469 479 517 608 686 759 794 815 839 933 1023 1170
CHA5	*	CHARMA	
		REFERENCES:	363 364 365 576 608 1086
CHA2	*	CHASE	
		REFERENCES:	316 552 553 644 746
CHA6		CHASUNGMACK	
		REFERENCES:	628
CHAG		CHAYAMUGI	
		REFERENCES:	1049
CHEG		CHE CHAN 5	
		REFERENCES:	783
CHEI		CHEDDAR	
		REFERENCES:	76 697
CHEL		CHEDRET	
		REFERENCES:	1121
CHEN		CHEKIANG	
		REFERENCES:	877
CHEH		CHELEYHOVITSKII HANNA	
		REFERENCES:	687
CHE4		CHELIFF	
		REFERENCES:	252
CHE7		CHENAD 395	
		REFERENCES:	1082
CHEF		CHENBUK 45	
		REFERENCES:	628
CHEE		CHENEY	
		REFERENCES:	469
CHE6	*	CHEONGMAEG	
		REFERENCES:	653 677
CHEO		CHERKASSKII 134	
		REFERENCES:	813
CHE5	*	CHERNIGOVSKII	
		REFERENCES:	117 252 437 438 439 440 441 979 1081 1082
CHE8		CHERNIGOVSKII 5	
		REFERENCES:	117 389 438 439 440 441 686 1014 1036 1082 1085 1090 1119
CHE9	*	CHERNIGOVSKII 7	
		REFERENCES:	389 441 536 686 708 979 1082 1084 1085
CHEM		CHERNIGOVSKII 888	
		REFERENCES:	686
CHEA	*	CHERNOMORETS	
		REFERENCES:	392 393 686 707 709 710 736 890 914 979 992 1036 1082 1084 1086 1112 1119
CHEJ		CHEROFF	
		REFERENCES:	609
CHEB	*	CHERVONETS	
		REFERENCES:	276 381 394 704 882 997 1034 1035 1036 1082 1084 1112 1137 1189

CODE		FULL NAME
CHEK		CHESNEY
		REFERENCES: 654
CHE1		CHEVALIER
		SYNONYMS: ANN (531) CHE3(531) DAN5(469) HAL1(531) KIN2(531) KIN7(469) MAS4(469) NOT (531) OLD1(531) OLD3(531) SCO1(531) SCO2(531)
		REFERENCES: 43 75 81 113 168 252 285 432 461 468 469 479 531 544 576 637 662 663 713 721 815 816 827 917 941 976 984 1049 1071 1082
CHED		CHEVALIER WINTER
		SEE ALSO: WIS7
		REFERENCES: 469
CHE2	*	CHEVALIER 2
		REFERENCES: 76 81 89 252 469 531 713 1092
CHE3		CHEVALLIER
		SEE ALSO: CHE1
		SYNONYMS: HAL (654)
		REFERENCES: 82 89 90 91 92 102 111 137 156 371 464 474 484 498 523 528 529 530 531 654 725 1120 1121
CHE		CHEVRON
		REFERENCES: 5 153 159 160 161 207 210 252 379 403 413 433 464 476 479 537 544 555 581 654 668 669 683 759 835 849 850 1002 1014 1170
CHEC		CHEYNEY
		REFERENCES: 275 469
CHIL	*	CHIGASAKI NIJO 10
		REFERENCES: 1049
CHI7		CHIKURIN
		REFERENCES: 540 541 602 690 738 832 1049
CHIF		CHIKURIN IBARAKI 2
		SYNONYMS: IBA (649)
		REFERENCES: 540 738 1049
CHI8	*	CHIKURIN IBARAKI 3
		REFERENCES: 1049
CHIB	*	CHILBO
		REFERENCES: 628 653
CHI9		CHILDS
		REFERENCES: 252
CHIC		CHILE CHEVALLIER
		REFERENCES: 469
CHI		CHILE COMMON
		REFERENCES: 23 285 469
CHI6		CHILEAN
		REFERENCES: 996 1049
CHI1		CHILEAN C.
		REFERENCES: 285 722
CHI2		CHILEAN D.
		REFERENCES: 285 686 722
CHI5		CHILIAN BREWING
		REFERENCES: 81 469 527
CHIA		CHINERME
		REFERENCES: 133 136 252 608 609 783
CHI3		CHINESE
		SEE ALSO: MEN2
		REFERENCES: 76 251 479
CHIG		CHINESE BLACK
		REFERENCES: 527 608
CHID		CHINESE HULL-LESS
		REFERENCES: 469
CHI4		CHINESE OTTAWA 60
		SEE ALSO: MEN2
		REFERENCES: 199 479 1015
CHIH		CHINKO
		REFERENCES: 676
CHIK		CHIRKUNG 39
		REFERENCES: 877
CHII		CHIRO CHINKO
		REFERENCES: 94 574 1143
CHIN		CHIRPAN
		REFERENCES: 860
CHIE		CHIRVIS
		REFERENCES: 767

CODE		FULL NAME
CHIJ		CHISSINAN ARAD
		REFERENCES: 98
CHL		CHLUMECKY
		REFERENCES: 686
CHO4	*	CHOPUNGBORI
		REFERENCES: 677
CHO3		CHORƆZAU
		REFERENCES: 877
CHO2		CHORNY
		REFERENCES: 608
CHO		CHOSHIRO
		REFERENCES: 252 608 1041
CHO1		CHOUSK
		REFERENCES: 469 1015
CHR2	*	CHRIS
		REFERENCES: 405
CHR1	*	CHRISTA
		REFERENCES: 663 686
CHR		CHRISTENSENS WINTER BARLEY
		REFERENCES: 1092
CHU1		CHUDOKI
		REFERENCES: 1082
CHU2		CHUGOKU HADAKA 14
		REFERENCES: 1082
CHU5	*	CHUGOKU NIJO 1
		REFERENCES: 1049
CHU6		CHULINGEN
		REFERENCES: 1049
CHU3		CHUNG-KING
		REFERENCES: 706
CHU		CHUNYANGJAERAE
		REFERENCES: 628 653
CHU4		CHUSI
		REFERENCES: 783 866
CHY		CHYUNCHEONJAELAE
		REFERENCES: 628
CI1	*	CI 10076
		REFERENCES: 1170
CI12		CI 10528 GA.Y635
		REFERENCES: 411
CI11		CI 1227
		REFERENCES: 268 271
CI4		CI 4173
		REFERENCES: 1170
CI5		CI 5043
		REFERENCES: 653
CI7		CI 7028
		REFERENCES: 210
CI72		CI 7372
		REFERENCES: 562 563
CIH		CIHUELA
		REFERENCES: 877
CIL	*	CILLA
		REFERENCES: 363 364 608 663 686 893 1084
CIN		CINTRUENIGO
		REFERENCES: 877
CIR	*	CIRO
		REFERENCES: 405 673 674 686 836 846 968 1082 1084 1090
CIR2		CIRPAN 1241
		REFERENCES: 34
CIR1	*	CIRRUS
		REFERENCES: 405 846
CIU		CIUDAD REAL (A)
		REFERENCES: 1138
CIV		CIV 490/4
		SEE ALSO: BER1
		REFERENCES: 434 1082
CIV1		CIVILSKY
		REFERENCES: 686
CLA6		CLANEY
		REFERENCES: 628 866
CLA3		CLARA
		REFERENCES: 190 317 337 405 453 460 707 809 1082

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CODE          FULL NAME

CLA2   *  CLARET
            REFERENCES:   189  190  191  192  236  364  405  426  663  686 1130
CLA4   *  CLAUDE
            REFERENCES:   469
CLA5   *  CLAUDIA
            REFERENCES:   364  663  686  757 1077 1178
CLA       CLAWSON
            REFERENCES:   252
CLA1   *  CLAYTON
            REFERENCES:   252  628  663  797  798  799 1176
CLE1      CLEMSON AWNLESS
            REFERENCES:   252
CLE2      CLEMSON HOODED
            REFERENCES:   252  933
CLE    *  CLERMONT
            SYNONYMS:  IRI2( 405)
            REFERENCES:   120  180  184  187  190  191  252  311  336  364  453
                          486  576  663  686  735
CLE3      CLEROFF
            REFERENCES:   663  877
CLI1      CLIFFORD
            REFERENCES:   252  469
CLI    *  CLIPPER
            REFERENCES:    52   71  140  141  363  364  380  608  913 1012 1025
                         1148 1149
CLO       CLOROFF
            REFERENCES:   628
CLU    *  CLUB MARIOUT
            SYNONYMS:  GOL (1170) MAR3(1170) ORE (1170)
            REFERENCES:    24   76   81  134  232  252  285  344  415  468  469
                          471  473  493  504  527  584  653  686  905  951  956
                          957  959  996 1032 1038 1154 1170
CLU4      CLUB MARIOUT 21
            REFERENCES:    20
CLU7   *  CLUJ 156
            REFERENCES:  1123
CLU6   *  CLUJ 230
            REFERENCES:  1123
CLU5      CLUJ 26
            REFERENCES:    34
CLU1   *  CLUJ 32-123
            REFERENCES:    30  461  818  888  933  997 1082
CLU2      CLUJ 33-138
            REFERENCES:   461
CLU3      CLUJ 33-139
            REFERENCES:   461
CLY       CLYDE
            REFERENCES:   469
CM72   *  CM 72
            REFERENCES:   959
CN2       CN 294
            REFERENCES:   107  623
CN        CN292
            REFERENCES:   775
COA4      COAKE 68
            REFERENCES:   608
COA    *  COAST
            SEE ALSO:  WIN2
            SYNONYMS:  BAY (  81) BLU ( 469) CAL2( 469) CAL4( 469) COM4( 469)
                       ORE2( 469)
            REFERENCES:    23   41   76   81  134  153  166  199  285  344  347
                          384  403  468  469  474  479  493  504  687  721  722
                          755  815  887  892  916  942  957  996 1038 1072 1121
                         1170 1185 1186
COA2      COAST 2
            REFERENCES:  1041 1047
COA3      COAST 3
            REFERENCES:  1042 1047
COA1      COASTON
            REFERENCES:    24
COE       COELESTE
            REFERENCES:   166  371  469  676  767  917  948
COE4      COELESTE EMPIRE
            REFERENCES:   917
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CODE		FULL NAME
COE3		COELESTE 1274 REFERENCES: 948
COE1		COELESTE 497/050 REFERENCES: 67 699
COE2		COELESTE 5195 REFERENCES: 67
COF		COFOLU REFERENCES: 877
COG2		COGOTONA DE CARCASTILLO A REFERENCES: 1138
COG3		COGOTONA DE CARCASTILLO B REFERENCES: 1138
COG5		COGOTONA DE VALTIERRA REFERENCES: 1138
COG4		COGOTONA PRECOZ DE VALTIERRA O DEL M REFERENCES: 1138
COG		COGOTONA 7 REFERENCES: 1138
COG1		COGOTONA 8 REFERENCES: 1138
COH	*	COHO REFERENCES: 455 663
COL6		COLBY LOCAL REFERENCES: 252
COL8		COLCHIUM 10/30 REFERENCES: 94 610 687 818 1082 1189
COLA		COLE REFERENCES: 469
COL7		COLLEGE 1 REFERENCES: 252 504
COLC		COLLIMBA REFERENCES: 145
COL9	*	COLMAR SYNONYMS: S14 (1082) REFERENCES: 110 362 405 576 1082
COL1	*	COLONIAL REFERENCES: 121 166 668 727 766 1170
COL2	*	COLONIAL 2 REFERENCES: 143 252 422 431 522 567 644 668 686 764 765 920 1170
COL	*	COLORADO 3063 REFERENCES: 166 479 668 1185 1186
COL3		COLOSSAL HULL-LESS REFERENCES: 1170
COL4	*	COLSESS REFERENCES: 76 199 242 252 384 469 479 527 721 816 835 897 942 1045 1047 1121 1163 1170
COLG		COLSESS 4 REFERENCES: 135
COLD		COLSESS 5 REFERENCES: 941 1042 1097
COL5	*	COLUMBA REFERENCES: 364 603 801 809 963 1082 1173
COLE		COLUMBIJSKY NAHY REFERENCES: 686
COLB		COLVILLE REFERENCES: 618
COM3	*	COMFORT REFERENCES: 1 2 251 262 464 488 849 850 1170
COMN		COMFORT 2 REFERENCES: 1097
COMQ		COMMA REFERENCES: 877
COM8	*	COMMANDER REFERENCES: 252 783 918 1121
COM4		COMMON SEE ALSO: CAL1 COA SYNONYMS: COM6(469) REFERENCES: 63 134 344 469 760 1170
COMG		COMMON CHILE REFERENCES: 722
COMC		COMMON LONG EAR'D BARLEY REFERENCES: 772

CODE		FULL NAME
COM6		COMMON SIX-ROWED 4307 MC
		SEE ALSO: COM4
		REFERENCES: 199 469 758 1015 1170
COMD		COMMON TWO ROWED
		REFERENCES: 469
COMM		COMMON 4 ROWED
		SYNONYMS: BER (654) BIG2(654)
		REFERENCES: 654
COML		COMMON 4 ROWED WINTER
		SYNONYMS: BEAE(654) PEA2(654) RET1(654)
		REFERENCES: 654
COMA		COMPACTA
		REFERENCES: 1138
COMB		COMPACTA PESADA
		REFERENCES: 1138
COM7	*	COMPANA
		REFERENCES: 23 33 153 199 212 213 232 251 252 313 326 403 406 407 412 461 479 492 507 509 511 517 527 530 584 647 648 669 682 686 816 864 1036 1043 1044 1082 1090 1154 1170
COMF		COMPOSITE CROSS
		REFERENCES: 502
COM5		COMPOSITE CROSS 1
		REFERENCES: 166 1170
COM2		COMPOSITE CROSS 10 (CI 6625)
		REFERENCES: 405 579 911 1170
COMH		COMPOSITE CROSS 12
		REFERENCES: 1188
COMI		COMPOSITE CROSS 14
		REFERENCES: 1188
COMJ		COMPOSITE CROSS 15
		REFERENCES: 1188
COMO		COMPOSITE CROSS 16
		REFERENCES: 1033
COM		COMPOSITE CROSS 2 (CI 5461)
		REFERENCES: 199 581 668 766 1032 1169 1170 1188
COME		COMPOSITE CROSS 21
		REFERENCES: 51
COM1		COMPOSITE CROSS 3 (CI 5530)
		SYNONYMS: OKL (1170)
		REFERENCES: 166 307 494 497 552 585 668 1170
COMK		COMPOSITE CROSS 5
		REFERENCES: 24
COMR		COMPOSITE STOCK
		REFERENCES: 846
COM9	*	COMTESSE
		REFERENCES: 102 252 355 371 432 576 663 846
CON8	*	CONCERT
		REFERENCES: 405
CON	*	CONQUEST
		REFERENCES: 131 132 151 193 195 218 221 223 225 226 252 326 334 364 398 399 436 462 536 575 578 587 588 589 642 643 728 773 856 893 924 925 1023 1036 1074 1082 1084 1178 1180 1184
CON7		CONQUIST 2566
		REFERENCES: 686
CON5		CONSISTA
		REFERENCES: 364
CON1		CONSUL
		REFERENCES: 285 722 1024
CON3		CONTAMINA 1
		REFERENCES: 1138
CON4		CONTAMINA 2
		REFERENCES: 1138
CON6		CONTRA
		REFERENCES: 145 363 403 1084 1086
CON2	*	CONWAY
		REFERENCES: 247 504 1163
COO		COOLIE
		REFERENCES: 706
COP	*	COPELIA
		REFERENCES: 236 364 405 576 608 846 1178

CODE		FULL NAME
CORB		CORA SEE ALSO: ARO1 REFERENCES: 405
CORF	*	CORACK REFERENCES: 846
COR4	*	CORACLE REFERENCES: 190 364 426 427
COR5		CORALLE REFERENCES: 236 364 686
CORA		CORBEL REFERENCES: 360
COR	*	CORDOVA REFERENCES: 40 121 252 385 387 388 520 551 580 727 764 1170
COR1		CORETH REFERENCES: 469
CORC	*	CORGIE REFERENCES: 192 846
COR6	*	CORNEL REFERENCES: 236 244 364 370 405 608 663 686 1077
COR9		CORNISH SEE ALSO: OLD3 REFERENCES: 89
COR8		CORNISH COMMON SEE ALSO: OLD3 REFERENCES: 530
CORD		CORRIS REFERENCES: 877
CORE	*	CORSAIRE REFERENCES: 576
COR3		CORTILE REFERENCES: 469
COR2		CORTNEY REFERENCES: 469
COR7	*	CORVETTE REFERENCES: 52 663 912 1012 1147 1148
COS2		COSMOS REFERENCES: 608 1086
COS1		COSMOS 34 REFERENCES: 145
COS	*	COSSACK SYNONYMS: ALP2(846) REFERENCES: 186 576
COT		COTTS REFERENCES: 76
COU1		COU DE CYGNE SEE ALSO: SVA1 REFERENCES: 355 576 917
COU		COUNTRY BARLEY REFERENCES: 285
COU2		COUTRA REFERENCES: 608
CP		CP 127 REFERENCES: 578 663
CRA	*	CRAIG'S TRIUMPH SEE ALSO: TRI5 REFERENCES: 63 663 760 1082
CRA1		CRAWFORD REFERENCES: 469
CRE	*	CREE REFERENCES: 22 50 686 773 899 902 904 1084
CRE1		CRETE REFERENCES: 877
CRI	*	CRIEWENER 403 REFERENCES: 43 97 145 320 453 1082
CRI6		CRIEWENER 96 REFERENCES: 275
CRI3		CRIMEAN HULL-LESS REFERENCES: 469
CRI4		CRIMONT REFERENCES: 364 848
CRI1	*	CRISTAL REFERENCES: 145 252 373 374 377 663 686

CODE		FULL NAME
CR15		CRIWENER 2
		REFERENCES: 686
CR12		CRIWENER
		REFERENCES: 609 663 846 906 1082
CRO		CROCKET
		REFERENCES: 252
CRO3	*	CROMARTY
		REFERENCES: 405
CRO1		CROMLECH
		REFERENCES: 252
CRO4	*	CROSIER
		REFERENCES: 405
CRO2		CROSSED AWNS
		REFERENCES: 608
CRU1		CRUBAT
		REFERENCES: 663
CRU	*	CRUSADER
		REFERENCES: 179 188 190 252 686 735
CS3		CS 38/11
		REFERENCES: 126
CS4		CS 41/1
		REFERENCES: 126
CUA		CUADRADA DE INVIERNO
		REFERENCES: 1138
CUA1	*	CUARTE 1
		REFERENCES: 1138
CUA2	*	CUARTE 2
		REFERENCES: 1138
CUB		CUBEL
		REFERENCES: 877
CUG		CUGALLPUR 2
		REFERENCES: 663
CUI		CUIDADREAL REAL
		REFERENCES: 628
CUL		CULVER
		REFERENCES: 469
CUR	*	CURRA
		REFERENCES: 547 548 686
CUS1	*	CUSADO
		REFERENCES: 252 469 783 866
CUS	*	CUSTER
		REFERENCES: 118 252 433 469 618 668 1154 1170
CUT	*	CUTTER
		REFERENCES: 48 52 663 912 1012
CVA7		CVAR BREEDER OWNED STRAIN
		REFERENCES: 43 952
CVA3		CVAR CVA SWITZERLAND
		REFERENCES: 199 479 1170
CVA5		CVAR LOCAL CVA-DENTON TEXAS
		REFERENCES: 41
CVA2		CVAR MANCHURY MINN NO 6
		REFERENCES: 1170
CVA1		CVAR MANDSCHEURI BARLEY
		SEE ALSO: MANG
		REFERENCES: 479 1170
CVA6		CVAR SOUTH AMERICA
		REFERENCES: 183
CVA4		CVAR 6-ROW OF EASTERN USA
		REFERENCES: 1170
CVA		CVAR-TUNIS-NORTH AFRICA
		REFERENCES: 1170
CYB		CYBELE
		REFERENCES: 608
CYC	*	CYCLONE
		REFERENCES: 987
CYP		CYPRUS BLACK
		REFERENCES: 252 608
CYT	*	CYTRIS
		REFERENCES: 190 236 846 1130
CZA		CZAR
		REFERENCES: 628
CZE		CZECH
		REFERENCES: 285

CODE		FULL NAME	
CZE1		CZECH IMMUNE	
		REFERENCES:	663 1128
C14		C141	
		REFERENCES:	59 621
C167		C167	
		REFERENCES:	775
D58		D 58	
		REFERENCES:	236
D63	*	D 63	
		REFERENCES:	168 846
D69		D 69	
		REFERENCES:	663
D9		D 9	
		REFERENCES:	186
DAS	*	D'ASSAS	
		REFERENCES:	102 371 576
DAC		DA CAFFE	
		REFERENCES:	275 686
DAB		DABAKY	
		REFERENCES:	405 628 783
DAB1		DABAT	
		REFERENCES:	100 101 408 608 663 845 847
DAG1		DAG ARPASY	
		REFERENCES:	65 645 686 979
DAG		DAGESTANSKY	
		REFERENCES:	252 275 645 1082
DAI4		DAICHI	
		REFERENCES:	677
DAI3		DAIKI-OMUGI	
		REFERENCES:	602
DAI		DAIROKKAKU	
		REFERENCES:	252 1046 1049
DAI5	*	DAIROKKAKU 1	
		REFERENCES:	1049
DAI2	*	DAISEN GOLD	
		REFERENCES:	637 658 1012
DAI1		DAISIN 24	
		REFERENCES:	628
DAJ		DAJOKAN	
		REFERENCES:	252
DAK		DAKA	
		REFERENCES:	783 866
DAM2	*	DAMAZY	
		REFERENCES:	75 145 663 686 836 947
DAM3		DAMNYR	
		REFERENCES:	535
DAM	*	DAMPIER	
		REFERENCES:	21 140 252 619 620 663 752 753 878 879 012
DAM1	*	DAMSEAUX	
		REFERENCES:	98 170 252 360 361 663
DAN1	*	DANA	
		REFERENCES:	45 247 379 405 450 469 663 686 846 1077 082 1090
DAND		DANGOMUGI	
		REFERENCES:	800
DAN7		DANIELS	
		REFERENCES:	469
DAN3		DANISH	
		REFERENCES:	82 89
DAN2		DANISH ARCHER	
		SEE ALSO:	PRE2
		REFERENCES:	156 523 529 530 531 976
DAN5		DANISH CHEVALLIER	
		SEE ALSO:	CHE1
		REFERENCES:	469
DAN6		DANISH PRENTICE	
		SEE ALSO:	PRE2
		REFERENCES:	469
DANA		DANISH 6 ROW	
		REFERENCES:	168 846
DANB		DANNE 113	
		REFERENCES:	783
DAN9	*	DANPRO	
		REFERENCES:	405 663 686 1077 1140

CODE		FULL NAME
DANC		DANS MANITOBA
		REFERENCES: 102
DAN		DANS-TRISAKA 8-31
		REFERENCES: 412
DANE		DANUBE
		SYNONYMS: DONN(654)
		REFERENCES: 654
DAN4	*	DANUBIA
		SYNONYMS: ACKB(9999)
		REFERENCES: 43 75 97 102 378 453 527 656 686 695 713 793 876 906 1082 1092
DAN8	*	DANUBIA CIOLKOWSKI
		REFERENCES: 75 656
DAO		DAOFU BLACK SIX-ROWED NAKED BARLEY
		REFERENCES: 526
DAP2	*	DAPHNE
		REFERENCES: 191 192 846
DAP1		DAPLES
		REFERENCES: 480
DAP		DAPRO
		REFERENCES: 608
DAR1		DARBENT
		REFERENCES: 608
DAR3		DARBURGER EVA
		REFERENCES: 663
DAR2		DARLING
		REFERENCES: 365
DAR		DARLYN
		REFERENCES: 236
DAT1		DATE
		REFERENCES: 1049
DAT	*	DATE 2
		REFERENCES: 544 1049
DAU1		DAULATABAD
		REFERENCES: 275
DAU		DAUPHINE
		REFERENCES: 145 686 1086
DAV	*	DAVIDSON
		REFERENCES: 166 252 628 663 668 766 783 865 1170
DAV1	*	DAVIE
		REFERENCES: 209 418 522 567 668 764 765 796 1170
DAY	*	DAYTON
		REFERENCES: 121 143 158 159 252 275 341 422 431 534 552 581 608 644 653 686 688 764 911 919 920 1082 1170
DEM		DE MONTANA
		REFERENCES: 877
DES5		DE SEIS ORDENS
		REFERENCES: 877
DES4		DE SENOR
		REFERENCES: 877
DEA		DEA
		SYNONYMS: ENG6(663)
		REFERENCES: 42 45 92 110 148 154 170 174 177 178 248 275 284 332 334 359 370 454 485 559 560 574 663 734 777 846 945 946 1082 1172
DEA1	*	DEAWN
		REFERENCES: 18 19 1084
DEB1		DEBA
		SEE ALSO: DEB
		SYNONYMS: ABE6(230)
		REFERENCES: 230 236 263 450 1082 1084 1139
DEB	*	DEBA ABED
		SYNONYMS: DEB1(1082)
		REFERENCES: 175 183 190 191 227 249 284 288 332 334 338 381 405 486 515 516 524 525 560 594 608 633 663 693 696 715 735 809 846 919 1077 1086 1090
DEB3		DEBRA BIRHAN
		REFERENCES: 877
DEB2		DEBRA SINA
		REFERENCES: 252
DEC	*	DECATUR
		REFERENCES: 158 159 161 252 422 522 1170

CODE		FULL NAME
DEC1		DECIDUOUSLEM
		REFERENCES: 866
DEC2		DECORTICATUM
		REFERENCES: 608
DEF		DEFICIENT BARLEY
		REFERENCES: 996
DEG		DEGE BLACK NAKED BARLEY
		REFERENCES: 526
DEG1		DEGE WHITE NAKED BARLEY
		REFERENCES: 526
DEH1		DEH KUNDI
		REFERENCES: 275
DEH		DEHRA
		REFERENCES: 783
DEI1		DEIN ALLA 103
		REFERENCES: 608
DEI2		DEIR ALLA 102
		REFERENCES: 608
DEI		DEISTER
		REFERENCES: 236 364 686 1130
DEK	*	DEKA
		REFERENCES: 120 846
DEK2		DEKAP
		REFERENCES: 507
DEK1		DEKSANDONGBORI
		REFERENCES: 628
DEL2		DEL NORTE
		REFERENCES: 469
DEL3		DEL PAIS 1
		REFERENCES: 1138
DEL4	*	DEL PAIS 2
		REFERENCES: 1138
DEL1		DELISA
		REFERENCES: 120 178 228 332 334 363 364 403 455 460 560 597 608 686 718 737 777 848 992 1077 1082 1129 1173 1199
DEL5	*	DELTA (ENGLAND 1982)
		SEE ALSO: DEL
		REFERENCES: 192
DEL	*	DELTA (HOLLAND 1959)
		SEE ALSO: NEP
		SYNONYMS: DEL5(9999)
		REFERENCES: 45 47 51 75 125 170 178 190 191 334 336 363 382 403 447 453 460 469 504 515 516 686 695 737 771 777 835 846 962 1027 1077 1082 1139 1173
DEN1		DENAR
		REFERENCES: 94 145 290 685 686 893 1082 1086 1116 1128
DEN4		DENAR (X)
		REFERENCES: 1128
DEN2		DENRAI
		REFERENCES: 783 866
DEN	*	DENSO
		SYNONYMS: ABE3(9999)
		REFERENCES: 379 685 686 1085 1086 1087 1132 1134 1139 1197
DEN3		DENTIL
		REFERENCES: 608
DEP	*	DEPUTY
		REFERENCES: 1121
DER4	*	DERA
		REFERENCES: 756
DER2		DERBENT
		REFERENCES: 315
DER1	*	DERENBURGER
		REFERENCES: 145 246 252 663 783 816
DER3		DERFLINGER
		REFERENCES: 686
DER		DERR WINTER
		REFERENCES: 1170
DES3	*	DESNANSKY 8
		REFERENCES: 389 686 979 1085 1087
DES		DESNUDA
		REFERENCES: 1138

CODE		FULL NAME
DES1		DESNUDA DE HARO
		REFERENCES: 877 1138
DES2		DESPREZ 55146
		REFERENCES: 190 191 574
DET2		DETENICKY BOHATYR
		REFERENCES: 686
DET3		DETENICKY KARGYN
		REFERENCES: 686
DET4		DETENICKY N 64
		REFERENCES: 686
DET		DETSKOSELEKSY
		REFERENCES: 102 252
DET1		DETTO
		REFERENCES: 364
DG1		DG 1
		REFERENCES: 578
DG2		DG 2
		REFERENCES: 578
DIA3	*	DIABAZ
		REFERENCES: 1128 1200
DIA	*	DIAMANT
		REFERENCES: 32 94 101 146 191 192 236 252 258 290 314 461 663 673 684 685 686 756 809 812 836 865 893 894 943 971 1081 1082 1085 1086 1089 1092 1115 1116 1197 1199 1200
DIA2	*	DIAMOND
		SEE ALSO: RUB
		REFERENCES: 193 405
DIA1	*	DIANA
		REFERENCES: 54 145 663 686
DIC2		DICKLIOR
		REFERENCES: 608
DIC		DICKSON
		REFERENCES: 51 226 236 252 283 350 352 363 575 726 728 773 803 855 856 857 899 900 925 1061 1082 1084 1179 1183 1193
DIC1		DICKTOO
		TRANSLATIONS: DIK (RUS)
		REFERENCES: 98 101 116 252 275 315 316 431 579 602 644 746 783 869 918 926 1087 1108 1154 1170
DID		DIDO
		SEE ALSO: TAV
		REFERENCES: 51 426 846
DIJ		DIJON 2
		REFERENCES: 102
DIK		DIKTU
		SEE ALSO: DIC1*
		REFERENCES: 1082
DIL		DILLA
		REFERENCES: 846
DIN	*	DINA
		REFERENCES: 42 53 109 189 190 191 334 370 574 576 663 945 946 973 1009 1077 1152
DIN1		DINAR
		REFERENCES: 504 835
DIO1		DIOSECKY
		REFERENCES: 686
DIO2		DIOSECKY SPRINTER
		REFERENCES: 686
DIO6	*	DIOSECKY 1496
		REFERENCES: 1128
DIO4		DIOSECKY 237
		REFERENCES: 663
DIO5		DIOSECKY 496
		REFERENCES: 846
DIO	*	DIOSECKY 738
		REFERENCES: 663 1001 1082 1128
DIO3		DIOSECKY 802
		REFERENCES: 686
DIP2	*	DIPPE 168
		REFERENCES: 846 877
DIP1		DIPPE'S HERFORDIA
		REFERENCES: 34 816 877

CODE		FULL NAME
DIP		DIPPER
		REFERENCES: 153 252
DIS1		DISSA
		REFERENCES: 686
DIS		DISTICO DI SIRTE
		REFERENCES: 996
DIV	*	DIVA
		REFERENCES: 364 405 663 686 809 1077
DIX	*	DIXIE
		REFERENCES: 405
DJE		DJEDDAH
		REFERENCES: 100
DJE1		DJENADBI
		REFERENCES: 312
DJU		DJUGAY
		REFERENCES: 877
DL2		DL 107
		REFERENCES: 278
DL		DL 59
		REFERENCES: 278
DL1		DL 69
		REFERENCES: 278
DLU	*	DLUZEWSKI
		REFERENCES: 656
DLU1		DLUZEWSKI WANDA
		REFERENCES: 75
DNE		DNEPRONETROVSKII 220
		REFERENCES: 813
DNE1		DNEPRONETROVSKII 425
		REFERENCES: 813 979
DNI	*	DNIEPER 212
		REFERENCES: 389
DNJ		DNJEPROPETROVSK
		REFERENCES: 98 101 359 360
DO		DO 4
		REFERENCES: 153
DOB		DOBAKU
		REFERENCES: 252
DOB3		DOBELNER IMPERIAL HALLE
		REFERENCES: 232
DOB5		DOBROVICKY
		REFERENCES: 686
DOB6		DOBROVICKY 101
		REFERENCES: 686
DOB1		DOBROVICKY 8
		REFERENCES: 94 686 865 893
DOB2		DOBROVITSKII STAROCHEKH
		REFERENCES: 323 686 687
DOB4		DOBROWITZ ALTBOHMISCHE
		REFERENCES: 8
DOG		DOGHDALI
		REFERENCES: 877
DOH		DOHADAK
		REFERENCES: 153 783
DOI1		DOINA
		REFERENCES: 672 873
DOI		DOITSU
		REFERENCES: 469
DOI2		DOITSU HARUMAKI
		REFERENCES: 1049
DOK	*	DOKUCHAEVSKII
		REFERENCES: 395
DOL		DOLLOPLASSER HANNA
		SEE ALSO: HAN2
DOM5		DOM 172
		REFERENCES: 361
DOM7		DOM 4/48
		REFERENCES: 663
DOM6		DOMAZY
		REFERENCES: 813
DOM4	*	DOME
		REFERENCES: 102 378 576 663

CODE		FULL NAME
DOM	*	DOMEN
		REFERENCES: 4 30 43 45 47 92 168 253 255 256 283 308 361 378 379 405 447 456 460 486 608 632 670 686 687 691 728 760 777 792 808 831 836 846 893 997 1082 1089 1106 1124 1125 1126 1127 1128 1139 1143 1146 1167 1177 1196 1197 1198
DOM3		DOMETZKOER PARADIESGERSTE
		REFERENCES: 970
DOM1		DOMINA
		SYNONYMS: STR3(148)
		REFERENCES: 148 275 334 574 686 846
DOM2		DOMINATOR
		REFERENCES: 252 393 678 960 1082
DONM		DON
		REFERENCES: 866
DONP	*	DONAN
		REFERENCES: 405
DON		DONARIA
		SEE ALSO: ACK2
		REFERENCES: 43 252 608 783 809 836 866 1014 1026 1132 1150
DONN		DONAU
		SEE ALSO: DANE
		REFERENCES: 654
DONO		DONECKY
		REFERENCES: 326
DONC	*	DONETSKII 4
		REFERENCES: 83 130 389 392 394 435 535 686 707 708 709 710 886 914 979 991 992 1085 1086 1087
DONK		DONETSKII 5
		REFERENCES: 886 1085
DONA		DONETSKII 513
		REFERENCES: 914
DONL		DONETSKII 576
		REFERENCES: 686 687 886
DOND		DONETSKII 591
		REFERENCES: 686 886 914
DON9		DONETSKII 594
		REFERENCES: 56 886
DONF	*	DONETSKII 6
		REFERENCES: 9 51 130 392 686 886 890 893 979 1084 1085 1086
DONB		DONETSKII 646
		REFERENCES: 736 886 914 1085
DON6	*	DONETSKII 650
		REFERENCES: 56 389 390 393 686 708 709 710 736 818 834 886 914 979 980 1037 1082 1085 1087 1090 1103
DONS	*	DONETSKII 8
		REFERENCES: 979
DON2	*	DONGBORI 1
		REFERENCES: 653
DON3	*	DONGBORI 2
		REFERENCES: 653
DON5	*	DONGBORI 42
		SYNONYMS: DON4(653)
		REFERENCES: 240 653
DONH		DONGMACK 24
		REFERENCES: 628
DON4		DONGMAEG 42
		SEE ALSO: DON5
		REFERENCES: 240 653
DONJ		DONGSAM
		REFERENCES: 628
DONI		DONGSAM 24
		REFERENCES: 628
DONG		DONGSANPI 49
		REFERENCES: 628
DON1		DONJON
		REFERENCES: 252 608 783 866
DON7		DONNES
		REFERENCES: 475 704 1082
DON8		DONSKOI
		REFERENCES: 776 842 873 1082 1103 1104
DONR		DONSKOI RANNII
		REFERENCES: 873

CODE		FULL NAME
DONQ		DONSKOI 11 REFERENCES: 873
DONE	*	DONSKOI 20/21 REFERENCES: 1100
DOO	*	DOORUBORI REFERENCES: 677
DOO1	*	DOOSAN 8 REFERENCES: 658
DOR5	*	DORA REFERENCES: 145 236 363 576 608 663 686 777
DOR2	*	DORE REFERENCES: 1082
DOR8		DORIA REFERENCES: 42 574
DOR6	*	DORIRUMUGI REFERENCES: 51 738 740 832 1049
DOR4	*	DORIS REFERENCES: 364 370 574 769 848 1161
DORB		DORNBURG FUTTER REFERENCES: 877
DOR3		DORNBURGER REFERENCES: 1082
DOR9		DORNBURGER EVA SEE ALSO: EVA REFERENCES: 410 686
DOR1		DORNBURGER HEIL REFERENCES: 906
DOR7		DORNBURGER HEILS FRANKEN REFERENCES: 102 410 686 816
DORA		DORNBURGER HEILS HEDE REFERENCES: 686
DOR	*	DORSETT REFERENCES: 5 232 252 1015 1084 1170
DOU1		DOUGLAS REFERENCES: 469
DOU		DOUKHOBOR REFERENCES: 252
DOV	*	DOVER REFERENCES: 197 215 225 239 608 921 923 926 928 1082
DOW		DOWEON SEE ALSO: SHI8 REFERENCES: 653
DRA	*	DRAGON SYNONYMS: CHAE(405) REFERENCES: 189 190 191 192 236 364
DRA1	*	DRAKE REFERENCES: 190 191 192 331 363 608 686 1082
DRA2	*	DRAM SYNONYMS: FOS (405) REFERENCES: 187 191 192 236 311 364 608 663 686 1176
DRE		DREGERUV SEE ALSO: DRE1 REFERENCES: 1082
DRE1		DREGERUV IMPERIAL SYNONYMS: DRE (686) REFERENCES: 686
DRO7	*	DRONTO REFERENCES: 846
DRO6	*	DROP REFERENCES: 576
DRO5		DROSH REFERENCES: 877
DRO2	*	DROSSEL REFERENCES: 145 608 663 871 1077 1086 1173 1174
DRO1		DROSSENFELDER FRANKONIA SYNONYMS: FRAB(1082) REFERENCES: 663 1082
DRO	*	DROST REFERENCES: 45 63 168 186 190 191 250 308 379 382 453 557 695 751 810 976 977 1082 1146 1159
DRO4	*	DROST A REFERENCES: 695
DRO3		DROT REFERENCES: 379

CODE		FULL NAME
DRU	*	DRUMMER
		REFERENCES: 405
DRU1		DRUSP
		REFERENCES: 877
DRY	*	DRYLAND
		REFERENCES: 166 252 415 433 668 1109 1170
DS20		DS 205
		REFERENCES: 460 1082
DS2	*	DS 295
		REFERENCES: 443 1082
DSC		DSCHJUGJAT
		REFERENCES: 275
DSG		DSGW 169
		REFERENCES: 574
DUB		DUBAS
		REFERENCES: 608
DUC		DUCKBILL
		REFERENCES: 76 81 199 252 413 469 479 1015 1098 1170
DUC1		DUCKBILL BALD
		REFERENCES: 469
DUC2		DUCKBILL OTTAWA 57
		REFERENCES: 815
DUC3		DUCKSBILL
		REFERENCES: 877
DUE		DUENS 480/68
		REFERENCES: 405
DUF		DUFUR
		SEE ALSO: TEN1
		REFERENCES: 469
DUK	*	DUKAT
		REFERENCES: 145 535 686 1116 1128
DUK1	*	DUKS SEJET
		REFERENCES: 364 663 805 1077 1176
DUN1		DUNAJSKY TRH
		REFERENCES: 323 685 723
DUN4	*	DUNCAN
		REFERENCES: 405 486 487
DUN3		DUNDARBEYI
		REFERENCES: 287 624 625
DUN2	*	DUNHAM
		REFERENCES: 469
DUN	*	DUNJA
		SYNONYMS: ENGD(9999)
		REFERENCES: 42 54 334 364 469 574 663 689 769 809 1135
DUP		DUPLEX
		REFERENCES: 135 285 361 412 464 609 698 722 783 875
DUP1		DUPLEX 3
		REFERENCES: 609
DUP2		DUPLINIGRUM
		REFERENCES: 608
DUR	*	DURA
		SYNONYMS: STRC(9999)
		REFERENCES: 54 236 334 364 405 454 574 608 663 688 689 769 809 846 848 973 974 1009 1082 1135 1174
DUR1		DURANI
		REFERENCES: 252 783 784 785 786
DUR2		DUREJA
		REFERENCES: 1173
DUT1		DUTCH
		REFERENCES: 168 469
DUT4		DUTCH BALDER
		REFERENCES: 686
DUT3		DUTCH WINTER
		REFERENCES: 866
DUT5		DUTCH 6 ROW
		REFERENCES: 846
DUT	*	DUTCHESS
		REFERENCES: 252 431 469 561 562 563 569
DUT2		DUTROW WINTER
		REFERENCES: 469
DVO	*	DVORAN
		REFERENCES: 75 94 259 685 686 836 943 1082 1115 1116 1128 1200

CODE		FULL NAME
DVO1		DVOREDAC
		REFERENCES: 654
DWA1		DWARF
		REFERENCES: 51 190 405
DWA		DWARF 21
		REFERENCES: 50 578
DZA		DZAU-BAPUST
		REFERENCES: 9 252
DZH1		DZHAU BAPAST
		REFERENCES: 645 1037 1090
DZH4		DZHAU KABUTAN
		REFERENCES: 9 645 1085
DZH3		DZHAU SAFEDAK
		REFERENCES: 9 10 645
DZH	*	DZHYUGAI
		REFERENCES: 709 933 979 1082
DZU		DZUGAJ
		REFERENCES: 686
DZV		DZVELTESLI
		REFERENCES: 709 877
D2A		D2A
		REFERENCES: 578
EB9		E.B. 999
		REFERENCES: 11 995
EAG		EAGLE
		SEE ALSO: MANB
		REFERENCES: 76 285 469 721 996
EAR1	*	EARL
		REFERENCES: 43 45 63 165 166 167 168 169 170 179 241 295 531 532 1079 1082 1084
EAR		EARLY BEARDLESS
		SEE ALSO: MIS
		REFERENCES: 628 701 702 790 976 1114 1170
EAR7		EARLY BLACK TURKESTAN
		REFERENCES: 252
EARF		EARLY CALIFORNIA MARIOUT
		REFERENCES: 1171
EAR5		EARLY CAPE SIX ROW
		SEE ALSO: CAP1
		REFERENCES: 996
EAR8		EARLY CHALLENGER
		REFERENCES: 252
EAR9	*	EARLY CHEVALIER
		REFERENCES: 252 469 686
EARA		EARLY INDIAN
		REFERENCES: 252 469
EARD		EARLY LAPLAND
		REFERENCES: 469
EAR3	*	EARLY MARCONEE
		REFERENCES: 252 417 419
EARC		EARLY MINTING
		REFERENCES: 469
EARE		EARLY POPPELSDORFER
		REFERENCES: 609
EAR2	*	EARLY PRIOR
		SYNONYMS: NOY (916)
		REFERENCES: 412 916
EARB		EARLY RUSSIAN
		REFERENCES: 252
EAR4		EARLY WELSH
		REFERENCES: 531
EAR6	*	EARLY WONG
		REFERENCES: 252 711
EARG	*	EARLY 12A BONUS
		REFERENCES: 405
EBBT		EB 1110
		REFERENCES: 232
EBBU		EB 1204
		REFERENCES: 232
EBBV		EB 1391
		REFERENCES: 232
EBBW		EB 1398
		REFERENCES: 232

CODE		FULL NAME	
EB14		EB 145	
		REFERENCES:	69
EBBX		EB 1468	
		REFERENCES:	232
EB1		EB 1556	
		REFERENCES:	233 578 995
EBA8		EB 1556-2	
		REFERENCES:	578
EBAA	*	EB 156	
		REFERENCES:	232
EBAB		EB 158	
		REFERENCES:	232
EB4		EB 2100	
		REFERENCES:	995
EBAC		EB 229	
		REFERENCES:	232
EBAD		EB 231	
		REFERENCES:	232
EBAE		EB 241	
		REFERENCES:	232
EBAF		EB 243	
		REFERENCES:	232
EB5		EB 2505	
		REFERENCES:	995
EB6		EB 2507	
		REFERENCES:	995
EBAG		EB 283	
		REFERENCES:	232
EBAH		EB 297	
		REFERENCES:	232
EBA9		EB 3	
		REFERENCES:	64
EBAI		EB 301	
		REFERENCES:	232
EBAJ		EB 360	
		REFERENCES:	232
EBAK		EB 364	
		REFERENCES:	232
EBAL		EB 373	
		REFERENCES:	232
EBA		EB 438	
		REFERENCES:	69 556 578 1052 1053
EBA1		EB 438-1	
		REFERENCES:	578
EBAM		EB 465	
		REFERENCES:	232
EB7		EB 489	
		REFERENCES:	995
EBAN		EB 491	
		REFERENCES:	232
EBAO		EB 496	
		REFERENCES:	232
EB49		EB 497	
		REFERENCES:	995
EBAP		EB 524	
		REFERENCES:	232
EBAQ		EB 527	
		REFERENCES:	232
EBAR		EB 536	
		REFERENCES:	232
EBAS		EB 560	
		REFERENCES:	232
EBAT		EB 564	
		REFERENCES:	232
EB2		EB 570	
		REFERENCES:	995
EBA2		EB 581	
		REFERENCES:	232 578
EB		EB 582	
		REFERENCES:	995
EBAU		EB 609	
		REFERENCES:	232
EBAV		EB 639	
		REFERENCES:	232

CODE		FULL NAME								
EBAW		EB 650								
		REFERENCES:	232							
EBAX		EB 658								
		REFERENCES:	232							
EBAY		EB 660								
		REFERENCES:	232							
EBAZ		EB 675								
		REFERENCES:	232							
EBB		EB 676								
		REFERENCES:	232							
EBBA		EB 693								
		REFERENCES:	232							
EBBB		EB 695								
		REFERENCES:	232							
EBBC		EB 731								
		REFERENCES:	232							
EBBD		EB 761								
		REFERENCES:	232							
EBBE		EB 769								
		REFERENCES:	232							
EBBF		EB 770								
		REFERENCES:	232							
EBBG		EB 771								
		REFERENCES:	232							
EBA3		EB 772								
		REFERENCES:	232	578						
EBA4		EB 772-A								
		REFERENCES:	578							
EBA5		EB 772-B								
		REFERENCES:	578							
EB8		EB 798								
		REFERENCES:	232	995						
EBBH		EB 816								
		REFERENCES:	232							
EBBI		EB 817								
		REFERENCES:	232							
EBBJ		EB 820								
		REFERENCES:	232							
EBBK		EB 822								
		REFERENCES:	232							
EBBL		EB 825								
		REFERENCES:	232							
EBBM		EB 881								
		REFERENCES:	232							
EBBN		EB 884								
		REFERENCES:	232							
EBBO		EB 888								
		REFERENCES:	232							
EBBP		EB 894								
		REFERENCES:	232							
EB3		EB 905								
		REFERENCES:	232	995						
EBBQ		EB 906								
		REFERENCES:	232							
EBBR		EB 919								
		REFERENCES:	232							
EB9A		EB 921								
		SEE ALSO:	CAN9							
		REFERENCES:	578							
EBA6		EB 921-1								
		REFERENCES:	578							
EBA7		EB 921-2								
		REFERENCES:	578							
EBBS		EB 989								
		REFERENCES:	232							
EBE	*	EBERSBACHER								
		REFERENCES:	252	355	628	663				
EBI	*	EBISU								
		REFERENCES:	505	637	658	739	740	832	1049	1098
EBR		EBRO								
		REFERENCES:	656	686	687					
EBS		EBSTORFER								
		REFERENCES:	232	970						

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CODE          FULL NAME

EC2       EC 24882
            REFERENCES:   233  261  657  995
ECE       ECENIC
            REFERENCES:   115
ECK2  *   ECKENDORF MAMMOTH
            REFERENCES:   246  461  627  663  972
ECK5      ECKENDORF MAMMOTH 2
            REFERENCES:    34  816
ECK3      ECKENDORF 11468
            REFERENCES:   336  846
ECK       ECKENDORF 5657
            SEE ALSO:  VUL
            REFERENCES:   284  334  454  560
ECK6  *   ECKENDORF 5844
            REFERENCES:   846
ECK1  *   ECKENDORFER
            REFERENCES:   123  246  370  574  663  906 1161
ECK7      ECKENDORFER MADRU
            SEE ALSO:  MAD
ECK4      ECKENDORFER WINTER
            REFERENCES:   627
ECL   *   ECLAT
            REFERENCES:   379  469  686 1082
ECL1      ECLIPSE
            REFERENCES:   469
EDD   *   EDDA
            REFERENCES:    16  232  307  461  464  534  579  583  608  639  704
                          791  841  882 1057 1058 1059 1060 1082 1106 1170
EDD2      EDDA 1
            REFERENCES:   452
EDD1  *   EDDA 2
            REFERENCES:   205  364  381  686  882 1082 1090 1106 1145
EDD3      EDDYSTONE
            REFERENCES:   686
EDE1      EDELMUT
            REFERENCES:   686
EDE       EDERLE
            REFERENCES:   783
EER   *   EERO
            SYNONYMS:  HAOA(  16)
            REFERENCES:    49  405  791
EFF   *   EFFEND1
            REFERENCES:   129  364  405  663  686  809 1131
EGE       EGEA DELOS
            REFERENCES:   877
EGL1      EGLFINDER HADO
            SEE ALSO:  EGL
            REFERENCES:   663 1082
EGL   *   EGLFINGER
            SYNONYMS:  EGL1( 663) EGL1(1082) HAD (9999) HAD2( 663) STR8( 663)
            REFERENCES:    34   43  115  170  663 1092
EGL2      EGLFINGER MONACHIA
            REFERENCES:   686
EGL3      EGLFINGER MOROPI 667
            REFERENCES:   686
EGM   *   EGMONT
            REFERENCES:   189  190  191  192  364  426
EGY4      EGYPT 20
            REFERENCES:    23
EGY       EGYPT 4
            REFERENCES:    11  379  403  937  939
EGY2      EGYPT 5
            REFERENCES:    23
EGY3      EGYPT 9
            REFERENCES:    23
EGY1      EGYPTIAN BARLEY
            REFERENCES:   767
EHI   *   EHIME HADAKA 1
            REFERENCES:   252  541  549  635  676 1049 1192
EHI1  *   EHIME HADAKA 2
            REFERENCES:   544  549 1049
EHI2      EHIME HADAKA 3
            REFERENCES:   635  636
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CODE          FULL NAME

EIG    *  EIGER
            REFERENCES:   405
EIJ    *  EIJOHADAKA
            REFERENCES:   635  636 1049
EIS       EISER OERLIKON
            REFERENCES:   686
EJE       EJEA 1
            REFERENCES:  1138
EKK       EKKENDORUFA
            REFERENCES:   617
EKO    *  EKONOM
            REFERENCES:    33  290  320  686  687  882  943  985  997 1082 1128
EKS       EKSEDRA
            REFERENCES:   687
ELA       ELASSONA
            REFERENCES:   364 1000 1176
ELB1   *  ELBO
            REFERENCES:   663  686 1077 1140
ELB       ELBO PAJBJERG
            REFERENCES:   575  695
ELF    *  ELFRY
            REFERENCES:   469
ELG1      ELGI
            REFERENCES:   364
ELG    *  ELGINA
            SYNONYMS:  PEG1( 405)
            REFERENCES:   103  145  150  258  364  392  405  536  659  673  674
                          686  887  893  894  928  945  967 1082 1084 1086 1176
ELI    *  ELI
            SYNONYMS:  BRE6(1150)
            REFERENCES:   381 1082 1150
ELI1      ELIZABETH
            SEE ALSO:  ALBN
            REFERENCES:   424
ELK       ELKA HILDEBRANDA
            REFERENCES:   656
ELL1   *  ELLIOT
            REFERENCES:   405
ELL    *  ELLIS
            REFERENCES:   405  469 1170
ELO       ELONGATED GLUME HANNCHEN
            REFERENCES:   252
ELR    *  ELROSE
            REFERENCES:   193  364
ELS2   *  ELSA (FRANCE 1980)
            REFERENCES:   576
ELS    *  ELSA (GERMANY)
            REFERENCES:    45   94  150  170  180  236  335  363  364  382  405
                          686  771  809  846  933  997 1001 1082
ELS1      ELSES
            REFERENCES:    51  461  761
ELV       ELVAS 73-65-6
            REFERENCES:   608
ELZ       ELZA
            REFERENCES:   305
EMA       EM. AFRICA
            REFERENCES:  1077
EME    *  EMERAUDE
            REFERENCES:   102  252  378  576  663
EME1      EMERSON
            REFERENCES:   469
EMI1      EMILIO MARAINI
            REFERENCES:   252
EMI       EMIR
            SYNONYMS:  CEB2( 608)
            REFERENCES:    30   75  100  145  183  185  186  188  190  191  244
                          249  252  258  306  317  320  338  363  364  370  381
                          405  434  453  486  487  542  547  575  576  608  663
                          686  695  735  756  809  846  887  935 1014 1077 1081
                         1082 1084 1087 1088 1089 1090 1105 1139 1140 1160 1174
                         1176
EMM       EMMA
            REFERENCES:   364  548  686
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 CODE          FULL NAME

EMP4       EMP 2
             REFERENCES:   880
EMP3       EMP 3
             REFERENCES:   880
EMP1   *   EMPIRE
             REFERENCES:   469
EMP2   *   EMPRESS (CANADA 1982)
             SYNONYMS:  EMP (9999)
             REFERENCES:   193
EMP        EMPRESS (ENGLAND PRE 1892)
             SEE ALSO:  EMP2
             REFERENCES:   469  984
ENA        ENANA
             REFERENCES:   934
ENC        ENCINAS
             REFERENCES:   877
ENG6       ENGELENS DEA
             SEE ALSO:  DEA   ENG9*
             REFERENCES:    53  577  663  809 1008 1009 1135 1152
ENG5       ENGELENS SECHSZEILIGE
             REFERENCES:   906
ENG4   *   ENGELENS WIELAND
             REFERENCES:    34  360  663  906
ENGB       ENGLAWNLESS
             REFERENCES:   512
ENG2       ENGLEDOW
             REFERENCES:   232  252
ENG3       ENGLEDOW INDIA
             REFERENCES:   100  252  360  363  405  608  609  846  968
ENGD       ENGLENS DUNJA
             SEE ALSO:  DUN
             REFERENCES:   972
ENGE       ENGLENS INKA
             SEE ALSO:  INK
             REFERENCES:   972
ENGF       ENGLENS KATJA
             SEE ALSO:  KAT2
             REFERENCES:   972
ENGC       ENGLENS SENTA
             SEE ALSO:  SEN
             REFERENCES:   972
ENG9       ENGLENS SIX-ROWED
             TRANSLATIONS:  ENG6(GER)
             REFERENCES:   246
ENGG       ENGLENS SONJA
             SEE ALSO:  SON
             REFERENCES:   972
ENGA       ENGLENS 2
             REFERENCES:   816  846
ENG    *   ENGLISH ARCHER
             SYNONYMS:  BEA6(  81)
             REFERENCES:    81   92  531  532  916 1132
ENG7       ENGLISH CHEVALLIER
             SYNONYMS:  OLD ( 469)
             REFERENCES:   469
ENG8       ENGLISH MALTING
             REFERENCES:   469
ENG1       ENGLISH PRENTICE
             REFERENCES:   531
ENI    *   ENISEI
             REFERENCES:  1112
ENT        ENTRESOLE
             REFERENCES:   153
ENV        ENVOY
             REFERENCES:   628
EP75       EP 75
             REFERENCES:   847
ERA    *   ERA
             REFERENCES:   405  644  851
ERB1   *   ERBACHSHOFER
             REFERENCES:   663
ERB    *   ERBET
             REFERENCES:   275  363  506  510
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CODE		FULL NAME
ERB2		ERBIL
		REFERENCES: 275
ERE5		ERECT 13
		REFERENCES: 697
ERE1		ERECTOIDES 16
		REFERENCES: 252
ERE7		ERECTOIDES 23
		REFERENCES: 697
ERE4		ERECTOIDES 7
		REFERENCES: 232
ERE		ERECTOIDES-32
		SEE ALSO: PAL
		REFERENCES: 450
ERE2		ERECTUM 106
		REFERENCES: 1141
ERE3		EREMO
		REFERENCES: 783
ERF1		ERFA
		REFERENCES: 364
ERF		ERFURT WHITE
		REFERENCES: 469
ERH		ERHARDT FREDERIKSENS
		REFERENCES: 252 617
ERI1		ERICA
		REFERENCES: 180 335 597 777 809 846
ERI	*	ERIE
		REFERENCES: 23 166 308 517 564 572 575 686 794 795 1090 1170
ERI2	*	ERIKA
		REFERENCES: 0 43 1014 1082
ERK		ERKO
		REFERENCES: 433 1082
ERL		ERLA
		REFERENCES: 877
ERM		ERME
		REFERENCES: 686
ERN	*	ERNA
		REFERENCES: 190 236 846
ERS	*	ERSHABET
		REFERENCES: 506
ERU		ERUSTSULJE
		REFERENCES: 686
ESA1		ESAME
		REFERENCES: 877
ESA		ESAW
		REFERENCES: 585
ESC2		ESCOURGEON
		REFERENCES: 469
ESC7		ESCOURGEON DE LA MARNE
		REFERENCES: 358 359 360
ESC6	*	ESCOURGEON DEMI-HATIF DES TOURETTES
		REFERENCES: 102
ESC4	*	ESCOURGEON DU NORD NO 5
		SYNONYMS: NOR6(9999)
		REFERENCES: 102 354 361
ESC5		ESCOURGEON FAMILLE 4 DE GRIGNON
		REFERENCES: 102
ESC1		ESCOURGEON HATIF DE GRIGNON
		REFERENCES: 235 252 358 364 686 737
ESC3		ESCOURGEON 185/79
		REFERENCES: 166 574
ESC		ESCOURGEON 4A
		REFERENCES: 252 504
ESE		ESEDRA
		REFERENCES: 877
ESK	*	ESK
		REFERENCES: 405
ESM		ESME
		REFERENCES: 813
ESP2		ESPE
		REFERENCES: 189 426 608 769
ESP1		ESPERANCE
		REFERENCES: 78 252 455 534 686 846 880
ESP	*	ESPRESSO
		REFERENCES: 42 189 190 191 412 574 846 1176

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CODE          FULL NAME

ESS       ESSARY
            REFERENCES:   252
EST1      ESTAHZUELA
            REFERENCES:   252  686  816 1082
EST3      ESTANZUELA
            REFERENCES:   576
EST2      ESTANZUELA FORAJERA 75A
            SEE ALSO:  LAE
            REFERENCES:    51  236
EST       ESTATE
            REFERENCES:   403  408  487  686  847  937  939 1102 1151
EST4      ESTELLE
            REFERENCES:   364
ETH       ETHIOPIEN
            REFERENCES:   686
ETO1      ETOILE DE CHOISY
            REFERENCES:   235
ETO   *   ETOILE DU VELAY
            REFERENCES:   101  357  358  576  836 1082
ETU   *   ETU
            REFERENCES:    51  364  686  729  730  791  891 1107
EUR3      EURA
            REFERENCES:   686  809  945  946 1008
EUR4  *   EURA 2
            SYNONYMS:  PROB(1082)
            REFERENCES:   363  608  686 1082 1158
EUR1      EUREKA
            REFERENCES:    76  252  469
EUR5  *   EUROPA (GERMANY 1980)
            SEE ALSO:  EUR
            REFERENCES:   191  230  453  846 1156 1176
EUR   *   EUROPA (OLD)
            SYNONYMS:  EUR5( 608) HYL ( 434)
            REFERENCES:    23  175  182  190  236  263  284  288  332  337  364
                          405  434  453  515  516  524  525  560  663  693  735
                         1082
EUR2  *   EUROPAEUM 353/133
            REFERENCES:    83  166  389  390  441  445  461  610  708  709  818
                          874  979  997 1037 1076 1082 1088 1090 1101 1189
EUR6      EUROPEUM
            REFERENCES:   392  686
EVA1  *   EVA
            SYNONYMS:  EVA2( 576)
            REFERENCES:   102  364  576  608 1084
EVA       EVANS
            SYNONYMS:  DOR9( 410)
            REFERENCES:   285  469
EVA2      EVASEM
            SEE ALSO:  EVA1
            REFERENCES:   364  576
EVE1      EVELYN
            REFERENCES:   364  686
EVE2      EVENTAIL
            REFERENCES:   371
EVE       EVEREST
            REFERENCES:   152  252  468  471  473  475  585 1168
EXA       EXADJION
            REFERENCES:   252
EXC1  *   EXCELLE
            REFERENCES:   363  576  608
EXC       EXCELSIOR
            SYNONYMS:  BLA4( 469)
            REFERENCES:    76   95  234  252  371  401  436  469  578  626  775
                         1055 1056
EXT1      EXTENSIV 1
            REFERENCES:  1082
EXT       EXTENSIV 9
            REFERENCES:   461
EZO   *   EZOND
            REFERENCES:    24   76  668  783 1090 1154 1163 1170
FLO4      F L O 1625
            REFERENCES:   405 1077
FLO2      F L O 405
            REFERENCES:  1082
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CODE          FULL NAME

F1     *  F 1
            REFERENCES:     37
F17       F 17
            REFERENCES:    102
F48    *  F 48
            REFERENCES:     37
FAI    *  FAIRFIELD
            REFERENCES:    226  364
FAI1      FAIZABAD
            REFERENCES:    877
FAK    *  FAKEL
            REFERENCES:    686  708  979 1085 1086
FAL       FALARINEL
            REFERENCES:    252
FAM       FAMESH
            REFERENCES:    469  709  996
FAN       FAN
            SEE ALSO:  PEA1
            REFERENCES:     76  469  531  827
FAN2      FANFARE
            REFERENCES:    364  686 1178
FAN1   *  FANLO
            REFERENCES:   1138
FAN4   *  FANNETTE
            REFERENCES:    236  576
FAN3      FANTASIA
            REFERENCES:    236
FAO1      FAO 14519
            REFERENCES:    299
FAO3      FAO 18109
            REFERENCES:    299
FAO       FAO 24393
            REFERENCES:    299
FAO2      FAO 25419
            REFERENCES:    299
FAR       FARASCULES
            REFERENCES:    877
FAR1      FARLETE
            REFERENCES:    877
FAT    *  FATRAN
            REFERENCES:   1128
FAV    *  FAVORIT
            REFERENCES:    145  290  685  686  987 1010 1086 1128 1200
FAY    *  FAYETTE
            SYNONYMS:  MAP7( 675)
            REFERENCES:    166  252  562  563  644  675 1170
FAY1   *  FAYSEL
            REFERENCES:    252  562  563
FEA       FEATHERSTON
            REFERENCES:    252  285  469  721 1015 1072
FEB1   *  FEEBAR
            REFERENCES:    118  166  185  252  369  414  527  574  584  668  777
                          1154 1170
FEE       FEED BARLEY
            REFERENCES:    185  379 1170
FEI       FEIDER 3
            REFERENCES:    252
FEL    *  FELDA
            REFERENCES:    181  335  608  686  735  871 1082
FEL1      FELDNAER
            REFERENCES:    475
FEL4      FELDSBERGER BRAUGERSTE
            REFERENCES:    686
FEL2      FELINE
            REFERENCES:     76
FEL3      FELIX
            REFERENCES:    608
FEN1   *  FENELLA
            REFERENCES:    190  191  192  574  846
FEN       FENGSEIN
            REFERENCES:    252  628
FER1   *  FERGUS
            REFERENCES:    120  153  193  221  252  326  364  608  686
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CODE		FULL NAME
FER		FERGUSON
		REFERENCES: 41 252
FER3		FERJA
		REFERENCES: 1082
FER6	*	FERO
		REFERENCES: 168 250 308 382 846
FER2		FERONIA
		REFERENCES: 189 190 191 192 337 363 405 453 487 608 696 1143
FER4	*	FERRERUELA DE HUERVA 1
		REFERENCES: 1138
FER5	*	FERRERUELA DE HUERVA 2
		REFERENCES: 1138
FER7		FERTODI C 4
		REFERENCES: 686
FER8		FERTODI P 8
		REFERENCES: 1110
FES	*	FESTA
		REFERENCES: 608 686 1178
FET		FETISOVSKII
		REFERENCES: 1136
FIC		FICHTEL MOUNTAIN
		REFERENCES: 469
FID		FIDA
		REFERENCES: 75 190 235 576 737 777 1082
FID1		FIDAX
		REFERENCES: 608
FIE		FIELDSIDE
		REFERENCES: 1196
FIL		FILDSIDE
		REFERENCES: 1198
FIM		FIMBUL
		REFERENCES: 559 628 846 1082
FIM1	*	FIMBUL 2
		REFERENCES: 364 560 574 846
FIN1		FINDLAY
		REFERENCES: 252
FIN3	*	FINGAL
		REFERENCES: 405
FIN2		FINISTERE 62-3
		REFERENCES: 252
FIN		FINLEY
		REFERENCES: 41 252 493
FIR7	*	FIRECREST
		REFERENCES: 187 311 405 424 425 686 846
FIR2		FIRLBECK
		REFERENCES: 148 248 574 1014
FIR6		FIRLBECK 2
		REFERENCES: 777
FIR1		FIRLBECK 4999
		REFERENCES: 181 335
FIRA		FIRLBECKS MILDEWRESISTANT 2
		REFERENCES: 686
FIRB		FIRLBECKS MILDEWRESISTANT 3
		REFERENCES: 686
FIR8		FIRLBECKS REGIA
		REFERENCES: 45
FIRC		FIRLBECKS ULME
		REFERENCES: 686
FIRD		FIRLBECKS UNA
		REFERENCES: 686
FIR3		FIRLBECKS UNION
		SEE ALSO: UNI
		REFERENCES: 94 252 686 687 836 943 1124 1125 1126 1127 1197
FIR9		FIRLBECKS URTE
		SEE ALSO: URT
		REFERENCES: 94 686
FIR5		FIRLBECKS VIERZEILIGE WINTERGERSTE
		SEE ALSO: FIR4*
		REFERENCES: 663 1082
FIR		FIRLBECKS 3
		REFERENCES: 23 43 45 61 171 193 221 226 252 356 361 508 647 648 686 687 728 777 782 809 836 933 945 952 1014 1082 1203

CODE		FULL NAME
FIR4	*	FIRLBECKS 4 ROWED WINTER
		SYNONYMS: VIE (1082)
		TRANSLATIONS: FIR5(GER)
		REFERENCES: 42 110 574 816 1082
FIS1		FISCHERS EIRCHENBLATTER 3
		REFERENCES: 686
FIS	*	FISSER IMPERIAL
		REFERENCES: 743
FIT	*	FITIS
		REFERENCES: 145 686 1082
FJO		FJOLA
		REFERENCES: 17
FLA3	*	FLAMENCO
		REFERENCES: 576
FLA	*	FLARE
		REFERENCES: 189 190 191 192 364
FLA2	*	FLAVINA
		REFERENCES: 608 663 695 1077 1174
FLA1		FLAXTON
		REFERENCES: 469 1174
FLE		FLECHE
		REFERENCES: 469 686 783 1015
FLE2		FLETUMER
		REFERENCES: 663
FLE1		FLEURAC 66
		REFERENCES: 312
FLO1	*	FLOJA
		REFERENCES: 443 704 1082
FLO3	*	FLORIDA
		REFERENCES: 50 405 686
FLO		FLORIDA 102
		REFERENCES: 50 252 1084
FLY	*	FLYNN
		REFERENCES: 24 41 76 461 469 471 473 584 916 996 1038 1121 1170
FLY2	*	FLYNN 1
		REFERENCES: 653 1144 1170
FLY1	*	FLYNN 37
		REFERENCES: 584 1170
FOM		FOMA
		SYNONYMS: SVA9(663)
		REFERENCES: 30 47 150 190 378 379 447 450 456 460 598 608 691 695 762 773 792 846 928 1077 1081 1082 1084 1089 1090
FOM1		FOMBELLIDA
		REFERENCES: 877
FON1		FOND DU LAC 6
		REFERENCES: 252
FON		FONGTEIN
		REFERENCES: 11
FOR2	*	FOREZIA
		REFERENCES: 252 576 608 663
FOR3		FORRAJERA
		REFERENCES: 252 783 985
FOR4		FORRAJERA DE INVIERNO
		REFERENCES: 252 403
FOR6		FORRAJERA KLEIN
		REFERENCES: 356 359 366 403 405 408 487 662 836 985 1084
FOR8	*	FORREST (AUSTRALIA 1980)
		REFERENCES: 750 879 1012
FOR	*	FORREST (USA 1956)
		REFERENCES: 207 252 433 669 682 1082 1170
FOR1	*	FORT
		REFERENCES: 151 200 210 232 239 308 325 330 381 464 536 997 1170
FOR9	*	FORTH
		REFERENCES: 405
FOR7		FORTYFOLD
		REFERENCES: 162
FOR5	*	FORUS
		REFERENCES: 4 460 1082 1090
FOS		FOSSWAY
		SEE ALSO: DRA2
		REFERENCES: 405 424

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CODE          FULL NAME

FOX    *  FOX
            REFERENCES:    83  205  379  381  433  464 1034 1036 1082 1088 1112
                         1170
FRA5   *  FRAEG
            REFERENCES:   405  443  460  803
FRAI      FRAINSPITZER
            REFERENCES:  1092
FRA2      FRANCE 2
            REFERENCES:   185  190  408  574
FRA       FRANCE 21
            REFERENCES:   408  412
FRA6   *  FRANCE-DEA
            REFERENCES:    98  235  236  252  363  576  663  737  777  809
FRAD      FRANCETTE
            REFERENCES:   364  608  686  757
FRA9      FRANCK
            REFERENCES:   906
FRAL      FRANCKS PFALZER
            REFERENCES:   686
FRAF      FRANCONIE
            REFERENCES:   102
FRAK      FRANCOUZSKY SARAH
            REFERENCES:   686
FRA1      FRANGER
            REFERENCES:   252  783  784  785  786  940
FRAN   *  FRANKA
            REFERENCES:   846
FRA4   *  FRANKEN 2
            SEE ALSO:  MUL2
            REFERENCES:   405 1082
FRA3      FRANKEN 3
            SEE ALSO:  BRE1  STR1
            REFERENCES:    43  252 1014 1037
FRAE      FRANKENGOLD
            REFERENCES:   364  371  663  757
FRAO      FRANKENTH PFALZER
            REFERENCES:   275
FRA7      FRANKISH
            REFERENCES:   252  469
FRAC      FRANKISH BREWING
            REFERENCES:   469
FRA8      FRANKLIN MALT
            REFERENCES:   252 1038
FRAB   *  FRANKONIA
            SEE ALSO:  DRO1  MUL3
            REFERENCES:   469  663 1026 1082
FRAH   *  FRANKS HALLISCHE
            REFERENCES:  1092
FRAG   *  FRANKS HOHENLOHER
            SYNONYMS:  HOH4(1092)
            REFERENCES:   410  686 1092
FRAM      FRANSAR
            REFERENCES:    98  358  359  360
FRAJ      FRANSISTA
            REFERENCES:   686
FRAA      FRAYA
            SEE ALSO:  FRE
            REFERENCES:   943
FRE1   *  FREEGOLD
            SEE ALSO:  NAK2
            REFERENCES:   181  608  686
FRE    *  FREJA
            SYNONYMS:  FRAA(1082) SVAA( 249)
            REFERENCES:     4   43   44   45   92  100  123  165  167  168  169
                          170  173  181  230  241  253  255  307  356  358  378
                          379  403  452  461  464  507  508  515  516  517  521
                          531  554  608  656  669  686  695  771  779  790  831
                          836  876  882  916  976  997 1064 1077 1079 1082 1128
                         1132 1134 1170 1197
FRE4      FRENCH BARLEY
            REFERENCES:   772
FRE3      FRENCH CHEVALIER
            REFERENCES:   252  469  470
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CODE		FULL NAME
FRE2		FRENCH EARLY
		REFERENCES: 252
FRE5		FRESIA
		REFERENCES: 777
FRI5		FRIEDRICHS HANNA
		REFERENCES: 906
FRI2		FRIEDRICHSWERTHER
		SYNONYMS: FRI3(1082)
		REFERENCES: 42 102 110 148 252 574 627 663 743 875 906 1082
FRI3	*	FRIEDRICHSWERTHER BERG
		SEE ALSO: FRI2
		REFERENCES: 246 252 343 574 660 661 663 777 816 961
FRI4		FRIGGA
		REFERENCES: 673 674 709 966 967 1084 1086 1090
FRI1	*	FRIMAS
		REFERENCES: 45 98 170 360 361
FRI	*	FRISIA
		REFERENCES: 23 45 73 94 123 154 168 180 190 191 336 576 663 686 808 809 846 882 985 1082 1177
FRO1		FROEG
		REFERENCES: 4
FRO	*	FRONTIER
		REFERENCES: 166 252 583 584 618 647 648 668 686 864 1154 1170
FRU1		FRUHE STARMHEIMER
		REFERENCES: 686
FRU		FRUWIRTHS EARLY GOLDTHORPE
		REFERENCES: 661 686
FUZ		FU ZUJ
		REFERENCES: 686
FUC		FUCHS PFALZER
		REFERENCES: 275 410 686 906
FUE		FUENTES
		REFERENCES: 877
FUJ	*	FUJI NIJO
		REFERENCES: 505 658 686 1012 1049 1098 1190
FUJ1		FUJI NIJO (CM)(GR)
		REFERENCES: 505 686 1012
FUJ2	*	FUJI NIJO 2
		REFERENCES: 505 686 1012 1098
FUK3		FUKUHARA
		REFERENCES: 1049
FUK2	*	FUKUI SHIROMUGI
		REFERENCES: 1049
FUK1		FUKUKEI 115
		REFERENCES: 1049
FUK	*	FUKUMUGI
		REFERENCES: 483 602
FUL1		FULHAM
		SEE ALSO: PEA1
		REFERENCES: 654
FUL2	*	FULL AWNED ATLAS
		REFERENCES: 405
FUL3	*	FULMAR
		REFERENCES: 405 846
FUL		FULTON
		REFERENCES: 252 469 1049
FUM		FUMIN HADAKA
		REFERENCES: 1049
FUN		FUNFSTETTENER
		REFERENCES: 469
FUR		FURSTIN
		REFERENCES: 769
FUS		FUSTINANA
		REFERENCES: 877
G10		G 109
		REFERENCES: 181 336 574
G541		G-541
		REFERENCES: 886
G552		G-552
		REFERENCES: 886
G65	*	G-65
		REFERENCES: 15

CODE		FULL NAME
GAJ	*	GA-JET
		SYNONYMS: GEO1(252)
		REFERENCES: 142 143 252 567 608
GAG	*	GAGAWAHADAKA 1
		SEE ALSO: KAG6
		SYNONYMS: HYA (653) HYA1(653)
		REFERENCES: 653
GAI2		GAINES
		REFERENCES: 50
GAI		GAINSVILLE 1
		REFERENCES: 252
GAI1		GAINSVILLE 2
		REFERENCES: 252
GAL2		GALERAS
		REFERENCES: 252
GAL4		GALINA
		REFERENCES: 145 392 686 756 813 1086
GAL3	*	GALION
		REFERENCES: 236 364 576
GAL5	*	GALLEON
		REFERENCES: 1012
GAL6		GALLUS
		REFERENCES: 877
GAL		GALORE
		REFERENCES: 199 202 203 206 210 211 251 252 461 479 480
		527 616 852 1015 1170
GAL1		GALT
		REFERENCES: 50 51 131 132 193 195 219 225 226 324 364
		381 481 588 592 608 1082 1162 1179 1183
GAM		GAMBRINUS
		SEE ALSO: CAM
		SYNONYMS: HANG(9999)
		REFERENCES: 23 94 252 469
GAM1		GAMMA NO 4
		REFERENCES: 505
GAM2		GAMMEL DANSK
		REFERENCES: 275
GAN4		GANDAK
		REFERENCES: 877
GAN1		GANDJA
		REFERENCES: 783
GAN	*	GANGBORI
		REFERENCES: 653 843
GAN5		GANNA LOOSDORFSKAYA
		REFERENCES: 395 645
GAN3		GANNING NAKED BARLEY
		REFERENCES: 526
GAN2		GANZI BLACK SIX-ROWED NAKED BARLEY
		REFERENCES: 526
GARC		GARDEZ PANDSHIR
		REFERENCES: 275
GAR1	*	GARFIELD
		REFERENCES: 469
GAR8		GARGERSTEN 2
		REFERENCES: 75
GARB		GARINSKII
		REFERENCES: 1136
GARA		GARMAO
		REFERENCES: 877
GAR7		GARTON 5001
		REFERENCES: 469
GAR6		GARTON 5002
		REFERENCES: 469
GAR5		GARTON 5003
		REFERENCES: 469
GAR4		GARTON 5004
		REFERENCES: 469
GAR3		GARTON 68
		REFERENCES: 469
GAR2		GARTON 986
		REFERENCES: 469 836
GAR		GARTONS
		REFERENCES: 27 199 252 469 479 759 816 1170

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CODE          FULL NAME

GAR9      GARTONS PLUMAGE 63
            REFERENCES:   530  663
GAS1      GASAVJURTOVSKIJ
            REFERENCES:   877
GAS    *  GASELL
            REFERENCES:   405  663
GAT1      GATAMI
            REFERENCES:   285  401  435  464  469  498  527  608  996 1024 1038
GAT5      GATESLEBEN 501
            REFERENCES:   608  663
GAT6      GATESLEBEN 511
            REFERENCES:   608
GAT    *  GATEWAY
            TRANSLATIONS:  GET (RUS)
            REFERENCES:    45   51  170  195  200  206  210  239  277  322  364
                          436  626  686  704 1036 1063 1082 1089 1096 1106 1170
GAT2   *  GATEWAY 63
            REFERENCES:   131  170  217 1082
GAT3      GATINAIS 1
            REFERENCES:   102
GAT4      GATINAIS 2
            REFERENCES:   102
GAT7      GATISON
            REFERENCES:   608
GAZ    *  GAZELLE
            REFERENCES:    45  170  193  320  460  686  687 1014 1082 1088
GB18   *  GB 18
            REFERENCES:   624  625
GB6       GB 6
            REFERENCES:   197
GEH       GEHANGIR
            REFERENCES:   285  866
GEM    *  GEM
            REFERENCES:    18   19  279  379  433  584  608  640  653  682  747
                          752  795  824  825  858  859 1144 1154 1170
GEM5      GEMBLOUX 125
            REFERENCES:   663
GEM1   *  GEMBLOUX 14
            REFERENCES:   252  663
GEM4      GEMBLOUX 165
            REFERENCES:   574
GEM6      GEMBLOUX 185
            REFERENCES:   663
GEM2      GEMBLOUX 456
            SEE ALSO:  BOR2
            SYNONYMS:  BELK( 846) UNO4( 663)
            REFERENCES:   147  148  663  734
GEM3      GEMBLOUX 458
            REFERENCES:   236
GEO4      GEORGE
            SEE ALSO:  GEO
            REFERENCES:   848
GEO3      GEORGIA
            SEE ALSO:  GEO
            REFERENCES:   405
GEO1      GEORGIA 8
            SEE ALSO:  GAJ
GEO    *  GEORGIE
            SYNONYMS:  GEO3( 405) GEO4( 846)
            REFERENCES:    51  186  187  189  190  191  192  236  311  364  405
                          426  453  686  695  945  946 1077 1143 1158 1160
GEO2   *  GEORGINE SCHWEIGERS MOOSBURGER
            SYNONYMS:  SCHE( 663) SCH6( 663)
            REFERENCES:   695
GER4   *  GERBEL
            REFERENCES:   190  191  192  236  311  331  364  370  574  646 1130
                         1161 1176
GER5      GERBEL DESPREZ
            REFERENCES:   424
GER    *  GERDA
            REFERENCES:   334  405  663  686  809  865  971 1026 1084 1135 1150
                         1156 1157
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CODE		FULL NAME
GER1	*	GERKRA
		REFERENCES: 51 145 180 187 335 363 364 593 608 663 686 696 735 809 1077 1173 1175
GER8	*	GERLINDE
		REFERENCES: 686 756
GER6		GERMAN BREWING
		REFERENCES: 232
GER9		GERMAN MR 3
		REFERENCES: 405
GER2		GERMAN WINTER
		REFERENCES: 252
GER7		GERMANIA
		REFERENCES: 895
GERA		GERMANY 5
		REFERENCES: 1049
GER3		GERTA
		REFERENCES: 810 882 979 1082 1084 1089 1197
GET		GETUEI
		SEE ALSO: GAT *
		REFERENCES: 1082
GEU	*	GEUMYUG
		REFERENCES: 653
GHA		GHAT 68A
		REFERENCES: 877
GHE		GHEST
		REFERENCES: 783
GIA1		GIAGINSKII 395
		REFERENCES: 9 34 252 645 706 988 1081 1082 1094
GIA2		GIANT
		REFERENCES: 469
GIA3	*	GIANT HOODED BARLEY
		REFERENCES: 318
GIA		GIANT WHITE HULL-LESS
		REFERENCES: 1028 1170
GIB		GIBERNAKULJUM 2664
		REFERENCES: 34
GIL1		GILETTE
		REFERENCES: 252
GIL		GILGIT
		REFERENCES: 931
GIM	*	GIMPEL
		REFERENCES: 364 663
GIN		GINAISEKITORI 3
		SEE ALSO: KINI
		REFERENCES: 653
GIN1		GINTARINYAI
		REFERENCES: 708 979
GIP	*	GIPSY
		REFERENCES: 87 88 663
GIS	*	GISBORNE
		REFERENCES: 469 725
GIT1	*	GITANE
		REFERENCES: 236 365 608 663 686 1176
GIT	*	GITTE
		REFERENCES: 364 757 1159
GIZ1		GIZA 117
		REFERENCES: 321 455 533 655
GIZ3		GIZA 118
		REFERENCES: 533
GIZ6		GIZA 121
		REFERENCES: 534
GIZ4		GIZA 190
		REFERENCES: 608
GIZ5		GIZA 24
		REFERENCES: 403
GIZ2		GIZA 68
		REFERENCES: 232 608
GIZ		GIZEH 134
		REFERENCES: 50
GK5		GK 59
		REFERENCES: 364
GKI		GKI INTENZIV
		REFERENCES: 606

CODE		FULL NAME
GLA1	*	GLABRON
		REFERENCES: 1 2 3 199 232 242 251 252 262 282 307 464 468 471 473 479 488 490 527 538 686 775 1015 1084 1154 1170 1172
GLA	*	GLACIER
		REFERENCES: 23 35 219 252 293 313 405 406 433 461 462 479 495 509 511 679 686 752 760 864 1067 1144 1162 1163 1170
GLA2		GLACIER AC38
		REFERENCES: 252 584
GLAA	*	GLACIER PENTLANDFIELD
		REFERENCES: 405
GLA3		GLADYSZ
		REFERENCES: 656
GLA7		GLASNEVIN 1
		REFERENCES: 308 405
GLA8		GLASNEVIN 2
		REFERENCES: 308 405
GLA4		GLASNEVIN 3
		REFERENCES: 168
GLA9		GLASNEVIN 5
		REFERENCES: 308 405
GLA5	*	GLATTA
		REFERENCES: 574 846 972
GLA6		GLATTGRANNINGE VON VILMORIN
		REFERENCES: 686
GLE	*	GLENN
		REFERENCES: 350 351 773 1068
GLO3	*	GLOIRE DU VELAY
		REFERENCES: 45 101 357 576 1082
GLO4		GLORIA
		REFERENCES: 1010 1103
GLO1		GLOSSY BRACHYTIC
		REFERENCES: 252
GLO		GLOSSY FIELD HYBRID
		REFERENCES: 518
GLO2		GLOSSY PIROLINE
		REFERENCES: 252
GOD2		GO-DUN-MAN-DA-MAI
		REFERENCES: 706
GOA		GOAT'S HORN
		REFERENCES: 654
GOB1		GOBA 1
		REFERENCES: 877
GOB	*	GOBLIN
		REFERENCES: 190 364 426 427 846
GOD	*	GODIVA
		REFERENCES: 50 236 252 1187
GOD1		GODOLLOI 20
		REFERENCES: 252
GOD3		GODOLLOI 52
		REFERENCES: 686
GOD4		GODOLLOI 98
		REFERENCES: 1110
GOLG		GOLD MEDAL
		REFERENCES: 252 469
GOLE		GOLD MORAYSHIRE
		REFERENCES: 760
GOLH	*	GOLD(GERMANY 1973)
		SEE ALSO: GOL3
		TRANSLATIONS: ORG1(FRE)
		REFERENCES: 191 236 370 694 945 1151 1156 1157
GOL3	*	GOLD(SWEDEN 1936)
		SEE ALSO: GUL
		SYNONYMS: GOLH(1157)
		TRANSLATIONS: ORG1(FRE)
		REFERENCES: 43 63 89 162 178 232 292 301 314 371 403 408 469 484 519 531 556 654 686 713 725 745 760 847 876 937 939 940 1071 1092
GOLS	*	GOLDA
		REFERENCES: 962
GOLN		GOLDBURG
		REFERENCES: 162 241

CODE		FULL NAME
GOLR	*	GOLDCREST REFERENCES: 405
GOLA		GOLDEN SEE ALSO: GUL SYNONYMS: ITA (654) REFERENCES: 447 654 694 695 897
GOL4	*	GOLDEN ARCHER REFERENCES: 45 63 81 102 111 156 241 530 531 725 760 976 998 1071
GOLV		GOLDEN DISCOVERY REFERENCES: 663
GOLF		GOLDEN DROP REFERENCES: 89 252 469 654
GOL6		GOLDEN GRAIN REFERENCES: 89 252 412 469 929
GOL		GOLDEN MARIOUT REFERENCES: 1170
GOL9		GOLDEN MELON REFERENCES: 15 33 82 252 469 505 531 540 544 617 628 637 653 654 658 895 1012 1035 1092 1098
GOLW	*	GOLDEN MELON SA11 REFERENCES: 1049
GOLC		GOLDEN PHEASANT REFERENCES: 81 89 111 252 471 473 531 585
GOL5	*	GOLDEN PROMISE SEE ALSO: MIL1 REFERENCES: 101 120 187 190 191 192 252 311 364 593 608 686 696 715 735 809 1139 1143 1174
GOL8		GOLDEN QUEEN REFERENCES: 252 469 827 1015
GOLQ		GOLDEN SVALOFS REFERENCES: 686
GOLP		GOLDEN 13 SEE ALSO: AIC1 REFERENCES: 637 1049
GOLL	*	GOLDFIELD REFERENCES: 190 364 405 663 686 1077
GOL2		GOLDFOIL REFERENCES: 133 136 145 252 285 379 403 469 474 564 572 609 686 722 783 784 831 875 895 1014 1088 1170
GOLM	*	GOLDMARKER REFERENCES: 187 190 191 192 311 364 424 425 426 663 686
GOLD	*	GOLDSPEAR REFERENCES: 187 188 190 191 192 236 311 364 487 686
GOL7	*	GOLDTHORPE REFERENCES: 51 76 81 82 89 90 91 92 102 156 181 252 256 301 371 469 479 484 523 528 529 530 531 771 827 831 895 929 998 1064 1071 1082 1092 1105
GOLB		GOLDTHORPE-SPRATT REFERENCES: 531 725
GOLU	*	GOLF REFERENCES: 192 846
GOL1	*	GOLIAD REFERENCES: 252 379 387 388 520 1082 1108 1170
GOLI	*	GOLIAT REFERENCES: 4 443 460 608 882 1082
GOLJ	*	GOLOZERNYI GIBRID REFERENCES: 863
GOLO		GOLOZERNYI 1 REFERENCES: 166 686 890 979 1085
GOLT		GOLOZERNYI 104 REFERENCES: 1136
GOLK		GOLOZERNYI 8 REFERENCES: 882
GOLX		GOLTON REFERENCES: 1049
GOM		GOMBI REFERENCES: 686
GON		GONDAR REFERENCES: 87 88 100 101 408 487 608 663 845 847 1102
GON2		GONOS 12 REFERENCES: 677

CODE		FULL NAME	
GON1		GONZALI	
		REFERENCES:	608 763
GOO1		GOOD DELTA	
		REFERENCES:	152 471 473 1168
GOO2		GOOD ZEOCRITON	
		REFERENCES:	574
GOO		GOODWILL	
		REFERENCES:	24 252
GOP		GOPAL	
		REFERENCES:	599 609 783 785 877
GOR	*	GORDON	
		REFERENCES:	199 252 469 663 783 1170
GOR3	*	GORM	
		REFERENCES:	192 846
GOR1		GORSDORFER	
		REFERENCES:	906
GOR2		GORZOWSKI	
		REFERENCES:	75 535 1010 1086
GOR4		GORZOWSKY 359	
		REFERENCES:	893
GOR5		GORZOWSKY 362	
		REFERENCES:	893
GOS1		GOSESHIKOKU	
		REFERENCES:	1047 1049 1078
GOS2	*	GOSESHIKOKU SAI 1	
		REFERENCES:	1049
GOS		GOSPICK	
		REFERENCES:	21 252 403
GOT		GOTTLAND	
		REFERENCES:	469
GOU		GOUD	
		REFERENCES:	292 618 686
GOY		GOYANGJAERAE	
		REFERENCES:	653
GRAH	*	GRACE	
		REFERENCES:	190
GRA2		GRADKOVITSKII	
		REFERENCES:	1082
GRA4	*	GRANADA 1	
		REFERENCES:	1138
GRA3		GRANADA 2	
		REFERENCES:	866 1138
GRAF		GRANAT	
		REFERENCES:	123 686 998
GRAI	*	GRAND PRIX	
		REFERENCES:	663 846 877
GRA	*	GRANDE	
		REFERENCES:	252 647 648 954 955 1032
GRA1		GRANDPA	
		REFERENCES:	252
GRAB		GRANENA DE CERVERA	
		REFERENCES:	1138
GRAC		GRANENA DE LAS GARRIGAS	
		REFERENCES:	1138
GRA5		GRANJA DE JEREZ	
		REFERENCES:	1138
GRA7	*	GRANJA LA MERISA 1	
		REFERENCES:	1138
GRA8	*	GRANJA LA MERISA 2	
		REFERENCES:	1138
GRA6		GRANJA LA MERISA 3	
		REFERENCES:	1138
GRAA	*	GRANJA TELATA DE REIXANA 1	
		REFERENCES:	1138
GRA9		GRANJA TELATA DE REIXANA 2	
		REFERENCES:	1138
GRAD		GRANUM	
		REFERENCES:	656
GRAG		GRAUER	
		REFERENCES:	654
GRAE		GRAVEN	
		REFERENCES:	866

CODE		FULL NAME
GRE		GREAT BEARDLESS
		SEE ALSO: HOR
		REFERENCES: 469 1170
GRE3		GREECE
		REFERENCES: 113 469 783 1075
GRE1		GREENOUGH
		REFERENCES: 916
GRE2	*	GREGOR
		REFERENCES: 228 576 608 686 737 777 1082 1086
GRE5		GREID KARTENS
		REFERENCES: 933
GRE4		GRENADA
		REFERENCES: 976
GRE6		GRENET
		REFERENCES: 275
GRI2		GRIAR
		REFERENCES: 686
GRI		GRIGNON
		REFERENCES: 0 252 359 360 576 697
GRI3	*	GRINDOR
		REFERENCES: 846
GRI1	*	GRIT
		REFERENCES: 364 405 756 846
GRO		GRODKOWICKI
		REFERENCES: 252
GRO1	*	GRONINGER
		SYNONYMS: MARV(663)
		REFERENCES: 102 252 663
GRO2		GROSSKLAPPIGE
		REFERENCES: 866
GRU2		GRUNDMANNS WOTAN
		SEE ALSO: WOT
		REFERENCES: 34
GRU1	*	GRUSHEVSKII
		REFERENCES: 389 686 1189
GRU	*	GRUZANIN
		REFERENCES: 724
GRY		GRYF
		REFERENCES: 686
GUA1		GUARDSMAN
		REFERENCES: 877
GUA		GUATRACHE ARAUCANA
		REFERENCES: 252
GUB		GUBORI
		REFERENCES: 866
GUD	*	GUDAR 1
		REFERENCES: 1138
GUD1	*	GUDAR 2
		REFERENCES: 1138
GUD2	*	GUDAR 3
		REFERENCES: 1138
GUD3		GUDDA
		REFERENCES: 877
GUI3		GUIDED REAL
		SYNONYMS: REBN(1093)
		REFERENCES: 1080
GUI1	*	GUILDEN
		REFERENCES: 405 426 846
GUI2		GUILDER
		REFERENCES: 866
GUI		GUILLEMART
		SEE ALSO: REN1
GUI4	*	GUINNESS 377/1
		REFERENCES: 405
GUI5	*	GUINNESS 524/2
		REFERENCES: 405 846
GUJ		GUJRAT
		REFERENCES: 663
GUL3	*	GULA ABED
		REFERENCES: 364 1077 1176
GUL2		GULD
		REFERENCES: 89 1133

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CODE          FULL NAME

GUL    *  GULL
            SYNONYMS:  GOLA( 447) GOL3( 531) GUL1( 461) KUL2( 836) SVAB(9999)
                       SVAB( 750)
            TRANSLATIONS:  ZOL (RUS)
            REFERENCES:     16   43   45   47   75   92   97  123  166  170  178
                           378  379  447  460  461  523  531  574  639  663  694
                           695  713  729  771  782  790  809  841  916  976 1012
                          1064 1079 1082 1096
GUL1       GULLKORN
            SEE ALSO:  GUL
            REFERENCES:   102  432  461
GUM        GUMIEL DE IZAN
            REFERENCES:   877
GUN3   *   GUNHILD
            REFERENCES:   190  663
GUN    *   GUNILLA
            REFERENCES:   364  405  608  686  809  812
GUN1       GUNSAN
            REFERENCES:   628
GUN2       GUNYOKI
            REFERENCES:   361
GUP        GUPA
            REFERENCES:   697
GUS1       GUS
            REFERENCES:   236
GUS        GUST PLAUTZ 9
            REFERENCES:     0  252  697
GUT        GUTEKORN
            REFERENCES:   275  469
GUY        GUY MAYLE
            SEE ALSO:  HIM
            SYNONYMS:  GUY1(9999)
            REFERENCES:    76  469  479  616
GUY1       GUYMALAYA
            SEE ALSO:  GUY
            REFERENCES:   984
GUZ        GUZAK
            REFERENCES:   877
GVA        GVATI
            REFERENCES:    37
GWA3       GWAJAERAE
            REFERENCES:   653
GWA        GWANCHWI
            SEE ALSO:  SEK5
            REFERENCES:   653
GWA1       GWANCHWIGI 1
            SEE ALSO:  SEK6
            REFERENCES:   653
GWA2   *   GWANGSEONG
            REFERENCES:   653
GWI        GWIGWA
            SEE ALSO:  ONI
            REFERENCES:   653
GWI1   *   GWIGWAJEONBUG 53
            REFERENCES:   653
GYE    *   GYEONG 1
            REFERENCES:   240  653
GYE1   *   GYEONG 2
            REFERENCES:   240  653
GYE2   *   GYEONG 3
            REFERENCES:   653
GYE5       GYEONG 39
            REFERENCES:   653
GYE3   *   GYEONGNAMDAEMAEG
            REFERENCES:   653
GYE4   *   GYEONGYUG
            REFERENCES:   653
GYU1       GYULYTSEVER
            REFERENCES:  1103
GYU        GYUNGGWA 1
            SEE ALSO:  ISE
            REFERENCES:   653
H150   *   H 150
            REFERENCES:   405
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CODE		FULL NAME
H248	*	H 248-69
		REFERENCES: 1077
HRO		H. ROGGORS
		REFERENCES: 278
H055		H. 0553
		REFERENCES: 809
H21	*	H. 2149
		REFERENCES: 176 333 453 809 1082
H42	*	H. 42
		REFERENCES: 210 453
H424		H. 4242
		REFERENCES: 179 1082
H48		H. 4804
		REFERENCES: 434 1082
H480	*	H. 4808
		SEE ALSO: HEIM
		REFERENCES: 182 186 405 663 698 846 1173
H50		H. 506
		REFERENCES: 170 460 846
HB31		H.B. 34/2/3/33
		REFERENCES: 173 175 771 1082
HAA		HAARER ISDANIA
		REFERENCES: 252
HAC		HACHIKUKO
		REFERENCES: 690 1049
HAD5		HADAK
		REFERENCES: 608
HAD4		HADAKA RIKUU 1
		REFERENCES: 783 1049
HAD1		HADMERSLEBEN ST 7791
		REFERENCES: 1082
HAD6		HADMERSLEBEN 46813/68
		REFERENCES: 405 756
HAD3		HADMERSLEBENER
		REFERENCES: 75 381 459 967 1010
HAD	*	HADO
		SEE ALSO: EGL
		REFERENCES: 102 363 371 378 663 906 1082
HAD2		HADOSTRENG
		SEE ALSO: EGL
		REFERENCES: 410 663 686 1082
HAF	*	HAFNIA
		REFERENCES: 44 45 170 255 361 379 450 686 1077 1082
HAG6	*	HAGA
		REFERENCES: 405 846
HAG1		HAGA OOMUGI
		REFERENCES: 367
HAG	*	HAGANE MUGI
		REFERENCES: 51 252 628 653 665 677 843 1049
HAG2		HAGER 1
		REFERENCES: 364
HAG3		HAGER 2
		REFERENCES: 364
HAG4		HAGER 3
		REFERENCES: 364
HAG5		HAGER 4
		REFERENCES: 364
HAH		HAHA
		REFERENCES: 75 170 771 836
HAI3		HAIDD GARW
		REFERENCES: 461
HAI7		HAIRY GLUMES
		REFERENCES: 608
HAI1	*	HAISA
		SEE ALSO: HEID
		REFERENCES: 43 100 283 361 405 523 554 576 593 598 608 663 673 674 686 698 809 946 1082 1128
HAI5		HAISA MEHLTAU RESISTENT 1
		REFERENCES: 1114
HAI4		HAISA NEU
		REFERENCES: 1114
HAI2		HAISA 1
		SEE ALSO: HEIA
		REFERENCES: 43 44 223 361 687 777 1158

CODE		FULL NAME
HAI		HAISA 2
		SEE ALSO: HEI1
		REFERENCES: 43 75 168 170 308 361 363 379 396 517 663 682 822 1014 1081 1082 1088 1114 1150 1170
HAI8		HAISA 3
		REFERENCES: 361
HAI6		HAITPASS
		REFERENCES: 578
HAK	*	HAKATA 2
		REFERENCES: 403 505 544 658 690 1012 1035 1049 1098
HAK5		HAKUDO
		REFERENCES: 1049
HAK7		HAKUDO 2
		REFERENCES: 1049
HAK4	*	HAKUDO 6
		REFERENCES: 612 1049
HAK1	*	HAKUMAI 1
		REFERENCES: 614 690
HAK3		HAKUMAIMUGI
		REFERENCES: 614
HAK2	*	HAKUSANMUGI
		REFERENCES: 483 1049
HAK6	*	HAKUTOMUGI
		REFERENCES: 1049
HAL8		HALBIN NIJO
		SEE ALSO: HARL
		REFERENCES: 1012
HALC	*	HALCYON
		REFERENCES: 405 846
HALD	*	HALF AWNED ATLAS
		REFERENCES: 405
HALA		HALIKKO
		SEE ALSO: HAL9
		REFERENCES: 639
HALB		HALIKKO 2
		SEE ALSO: HAL6
		REFERENCES: 639
HAL9	*	HALIKON
		SYNONYMS: HALA(639) HAL2(639)
		REFERENCES: 16 639 791 875
HAL6	*	HALIKON 2
		SYNONYMS: HALB(639) HAL3(639)
		REFERENCES: 102 791
HAL7		HALIKON 3
		REFERENCES: 102
HAL2		HALIKONOHRA
		SEE ALSO: HAL9
		REFERENCES: 16 102 252 841 1106
HAL3		HALIKONOHRA 2
		SEE ALSO: HAL6
		REFERENCES: 639 1106
HAL5		HALLE
		REFERENCES: 360 686 687 809 998
HALE		HALLE ST 2162/43
		REFERENCES: 836 846
HAL1		HALLETT'S CHEVALLIER
		SEE ALSO: CHE1
		SYNONYMS: HAL (531)
		REFERENCES: 89 528 529 531 895
HAL	*	HALLETT'S PEDIGREE
		SEE ALSO: CHE3 HAL1
		REFERENCES: 81 82 530 531 654 984
HAL4		HALLISCHE NACKTGERSTE
		REFERENCES: 970
HANI		HAN KANG
		REFERENCES: 628
HAND		HAN RIVER
		REFERENCES: 24 360 469 471 473 474 783 866 1075
HAOD	*	HANA
		REFERENCES: 1128
HAOC		HANA 7
		REFERENCES: 1128
HANR		HANACKY EXPORT
		REFERENCES: 686

CODE		FULL NAME
HANS	*	HANACKY JUBILEJNI REFERENCES: 686 1128
HANT	*	HANACKY KARGYN SYNONYMS: HAN4(9999) REFERENCES: 686 1128
HANU		HANACKY MORAVAN REFERENCES: 686
HANV		HANACKY STAROVESKY REFERENCES: 686
HANX	*	HANBO 8 REFERENCES: 1049
HANE	*	HANCHAMONT REFERENCES: 469
HANA	*	HANGMI REFERENCES: 463 628 653 677 844
HANY		HANHADAKA REFERENCES: 1049
HAN6		HANHADAKA 1 REFERENCES: 1049
HANZ	*	HANHADAKA 2 REFERENCES: 1049
HAOE	*	HANKKIJA POKKO REFERENCES: 16
HAOF	*	HANKKIJA POTRA REFERENCES: 16
HAOB		HANKKIJAN AAPO REFERENCES: 16 791
HAOA		HANKKIJAN EERO SEE ALSO: EER REFERENCES: 16 791
HAO	*	HANKKIJAN 673 REFERENCES: 16 791
HAN1		HANKOW REFERENCES: 153 469 783 1170
HAN2	*	HANNA SYNONYMS: DOL (1092) HANO(9999) MOR5(432) REFERENCES: 43 75 76 81 82 89 90 92 97 102 133 135 136 189 193 199 285 298 307 346 379 405 412 432 453 460 469 498 517 523 530 531 533 608 609 658 663 668 669 682 685 686 695 712 713 721 722 743 783 784 793 827 846 872 916 917 952 996 1010 1012 1024 1032 1082 1086 1092 1098 1128 1170 1200
HANO	*	HANNA (ENGLISH) SEE ALSO: HAN2 REFERENCES: 453
HANG	*	HANNA GAMBRINUS SEE ALSO: GAM REFERENCES: 75
HANF	*	HANNA KLESZEZEWSKI REFERENCES: 656 686
HANB		HANNA LOOSDORF REFERENCES: 56 390 420 421 437 440 441 461 659 667 686 687 720 731 818 874 1007 1082 1189 1201
HANJ		HANNA MORAVSKII REFERENCES: 1189
HANH		HANNA OF PROSKOWETZ REFERENCES: 75 371
HANK	*	HANNA OF RIMPAU REFERENCES: 354 371 663
HANC		HANNA SCRZESZOCOICKI REFERENCES: 75 686 836 1082
HANN		HANNA VON METTE REFERENCES: 895 1092
HAN4		HANNA X KARGYN SEE ALSO: HANT REFERENCES: 43 45 51 72 323 684 687 743 888 1090
HANQ		HANNA 2 REFERENCES: 686
HANL		HANNA 9 REFERENCES: 102
HAN8		HANNACKY 2 REFERENCES: 102 252

CODE		FULL NAME											
HANM		HANNAKIAN											
		REFERENCES:	654										
HAN	*	HANNCHEN											
		SYNONYMS:	SVAJ(9999)										
		REFERENCES:	1	2	17	23	27	43	61	76	102	153	194
			199	210	212	232	238	239	251	252	283	285	347
			378	379	384	401	436	461	464	468	469	471	473
			474	479	490	491	498	503	531	578	616	618	640
			668	669	682	687	695	713	721	728	759	775	815
			839	996	1012	1015	1033	1038	1056	1082	1092	1163	1170
HAN5		HANNES											
		REFERENCES:	908										
HAN9	*	HANOVER											
		REFERENCES:	121	252	431	581	644	1021	1022				
HAN7		HANSBERG											
		REFERENCES:	252										
HAN3	*	HANSEE HULL-LESS											
		REFERENCES:	285	469									
HANW		HANSEN											
		REFERENCES:	877										
HANP		HANSENS 449											
		REFERENCES:	686										
HAR4		HARAMACHI											
		REFERENCES:	252										
HARL		HARBIN NIJO											
		SYNONYMS:	HAL8(9999)										
		REFERENCES:	658	677									
HAR	*	HARBINE											
		REFERENCES:	9	160	166	252	544	550	551	552	553	579	581
			585	619	620	686	727	764	765	1170			
HARN		HARIMA											
		REFERENCES:	1049										
HARM	*	HARIMA 3											
		REFERENCES:	1049										
HAR3	*	HARKRA											
		REFERENCES:	185	364	608	809							
HAR1	*	HARLAN											
		REFERENCES:	51	199	251	252	267	268	270	271	433	608	669
			686	704	1065	1082	1169	1170					
HAR5	*	HARLAN 2											
		REFERENCES:	51	252	267	270	663						
HARC		HARLAN 43											
		REFERENCES:	355	361	486								
HAR6	*	HARLAND											
		REFERENCES:	252	1033									
HAR9		HARMONY											
		REFERENCES:	364										
HARH	*	HARP											
		REFERENCES:	405	846									
HARA		HARPON											
		REFERENCES:	364										
HAR7	*	HARPOON											
		REFERENCES:	189	190	405	686							
HARK	*	HARRACH 61/6											
		REFERENCES:	846	1086									
HARG		HARRAR											
		REFERENCES:	100	663									
HARF	*	HARRIET											
		REFERENCES:	743										
HARJ	*	HARRINGTON											
		REFERENCES:	193										
HAR2	*	HARRISON											
		REFERENCES:	51	121	122	158	160	252	334	422	431	553	644
			726	849	850	1016	1017	1018	1019	1082	1087		
HARB	*	HARRY											
		REFERENCES:	364	663	686								
HARE		HARUMUGI											
		REFERENCES:	617										
HARI	*	HARUNA NIJO											
		SYNONYMS:	NIT1(	15)									
		REFERENCES:	15	658									
HARD	*	HARUNAMUGI											
		REFERENCES:	541	738									

CODE		FULL NAME
HAR8	*	HARVEY
		REFERENCES: 469
HAS1		HASHIARPUR
		REFERENCES: 252 783
HAS3	*	HASHIRIHADAKA
		REFERENCES: 549 613 665 1049
HAS2		HASOKAWA 2
		SEE ALSO: HOS4
		REFERENCES: 252
HAS		HASSAN
		REFERENCES: 120 145 181 187 190 191 311 336 363 364 405 453 593 608 686 695 696 735 962 1077 1086 1087 1143 1176
HAS4	*	HASSO
		REFERENCES: 405 574
HAT1	*	HATAKAZE
		REFERENCES: 252 544 1012 1049
HAT5	*	HATAKO B
		REFERENCES: 658 1012
HAT7		HATIF BONTE
		REFERENCES: 98 357 360
HAT	*	HATIF DE GRIGNON
		REFERENCES: 34 42 98 120 182 185 236 237 252 337 360 559 574 608 663 777 809 846 936
HAT8		HATIF DE MOULIN
		REFERENCES: 98
HATA		HATIF DES TOURETTES
		SEE ALSO: TOU
		REFERENCES: 576
HATB	*	HATSUKAZE
		REFERENCES: 1049
HAT2		HATVANI
		REFERENCES: 252 663 686 704 906
HAT3		HATVANI 1108
		REFERENCES: 1090
HAT9		HATVANI 129
		REFERENCES: 1110
HAT6	*	HATVANI 308
		REFERENCES: 686 846
HAT4		HATVANI 377
		REFERENCES: 115 413 1123
HAU1	*	HAUTERS
		REFERENCES: 53 54 73 248 359 370 410 574 663 734 769 809 820 846 848 945 946 961 1008 1009 1135 1152
HAU	*	HAUTERS PFALZER
		SYNONYMS: PFA1(1082)
		REFERENCES: 43 45 252 1082
HAU2	*	HAUTERS WINTERGERSTE
		REFERENCES: 109 110 148 364 574
HAV	*	HAVILA
		REFERENCES: 190 191 192 236 364 426 663
HAY	*	HAYA KISO 2
		REFERENCES: 252 1046 1049 1192
HAY5		HAYA OMUGI
		SYNONYMS: HAY4(649)
		REFERENCES: 649
HAY6	*	HAYACHINEMUGI
		REFERENCES: 1049
HAY4		HAYADORIHADAKA
		SEE ALSO: HAY5
		REFERENCES: 636
HAY7	*	HAYAJIRO HADAKA
		REFERENCES: 1049
HAY8		HAYAKISO
		REFERENCES: 1049
HAY9	*	HAYAKISO 3
		REFERENCES: 1049
HAY1	*	HAYAMI-OMUGI
		REFERENCES: 739 1099
HAY2	*	HAYATAMUGI
		REFERENCES: 483 1049
HAY3	*	HAYAUREHADAKA
		REFERENCES: 635 1049

CODE		FULL NAME
HAZ1		HAZERA 127/1
		REFERENCES: 1090
HAZ		HAZERA 212
		REFERENCES: 620
HB3		HB 346
		REFERENCES: 334
HB8		HB 855/467
		REFERENCES: 405
HB87		HB 878
		REFERENCES: 405
HB4		HB. 433
		SEE ALSO: MAR9
		REFERENCES: 334
HB5	*	HB. 551/60
		SEE ALSO: MARA
		REFERENCES: 338 405
HB6		HB. 609/213
		REFERENCES: 405
HD1	*	HD 16 MEHLTAURESISTENTE
		REFERENCES: 43 1082
HE		HE
		REFERENCES: 1082
HEB	*	HEBE
		REFERENCES: 85 363 364 663 718 809 1129 1173 1174 1175
HEC	*	HECTOR
		REFERENCES: 197 225 364 686 945
HEG	*	HEGE 109/74
		REFERENCES: 405 757
HEG1	*	HEGE 150/74
		REFERENCES: 405 757
HEIZ		HEIDEMAVIE
		REFERENCES: 686
HEIE		HEILS
		REFERENCES: 43 906
HEIK	*	HEILS FRANKEN
		REFERENCES: 97 100 102 252 453 574 627 663 695 816 895 968 1012 1082
HEIJ		HEILS HANNA
		REFERENCES: 252 694 1014
HEI3		HEILS HANNA 1
		REFERENCES: 285 469 574 599 694 777 785 1082
HEIR		HEILS HANNA 2
		REFERENCES: 469 694
HEI4		HEILS HANNA 3
		REFERENCES: 51 285 403 469 694 722
HEIS		HEILS HANNA 4
		REFERENCES: 469 694
HEIO		HEILS H1
		REFERENCES: 148 906
HEI2	*	HEIMDAL
		TRANSLATIONS: KHE (RUS)
		REFERENCES: 45 63 168 252 308 464 531 618 809 846 997 1106 1146
HEIG		HEIN 2
		REFERENCES: 908
HEI5		HEINE-PERAGIS 5448
		SEE ALSO: TER
		REFERENCES: 332 846
HEI8	*	HEINE-PERAGIS 5475
		REFERENCES: 334 846
HEIH		HEINES AMSEL
		SEE ALSO: AMS
		REFERENCES: 249
HEIY		HEINES CHEVALLIER
		REFERENCES: 895
HEIP		HEINES FRUHE VIERZEILIGE
		REFERENCES: 1082
HEI9		HEINES GIANT
		SEE ALSO: HEIC*
		REFERENCES: 43 559 687
HEIN		HEINES GOLDTHORPE
		REFERENCES: 51 906 998
HEIL		HEINES HAHA
		REFERENCES: 663 686 731 736 1008 1082 1085

CODE		FULL NAME
HEID		HEINES HAISA
		SYNONYMS: HAI1(663)
		REFERENCES: 42 43 373 453 574 576 686 695 743 836 943 1082
HEIA	*	HEINES HAISA 1
		SYNONYMS: HAI2(663)
		REFERENCES: 43 45 123 362 390 405 453 663 952 997 1082
HEI1		HEINES HAISA 2
		SYNONYMS: HAI (1170)
		REFERENCES: 43 45 53 54 75 252 453 533 686 695 997 1008 1009 1026 1082 1135 1152 1170
HEI		HEINES HANNA
		REFERENCES: 56 75 102 207 252 283 410 421 433 517 627 656 663 669 682 686 697 895 906 944 1170
HEJ2		HEINES LAUDA
		SEE ALSO: LAU3
		REFERENCES: 663
HEJ3		HEINES OLYMPIA
		REFERENCES: 663
HEIT		HEINES PIROL
		REFERENCES: 30 1203
HEJ1		HEINES PIROLINE
		SEE ALSO: PIR
HEIC		HEINES RIESEN
		TRANSLATIONS: HEI9(ENG)
		REFERENCES: 43 90 102 1092
HEIB		HEINES RIESENWINTERGERSTE
		REFERENCES: 43
HEJ		HEINES STANDARD
		REFERENCES: 686
HEII		HEINES SWALLOW
		REFERENCES: 249
HEI7	*	HEINES 0553
		REFERENCES: 178 190 334 453 663
HEIW	*	HEINES 1203
		REFERENCES: 230 846
HEJ4		HEINES 1670
		REFERENCES: 1077
HEI6		HEINES 2369
		REFERENCES: 178 190 333 334 453
HEIF		HEINES 4509
		REFERENCES: 170
HEIM	*	HEINES 4808
		SYNONYMS: H480(182)
		REFERENCES: 186 190 191 337 608 663 945 1139 1156 1157
HEIU	*	HEINES 505
		REFERENCES: 1133
HEIV		HEINES 553
		REFERENCES: 333 846
HEIQ		HEINRICH
		SEE ALSO: BRE5
		REFERENCES: 242 1082
HEIX		HEITPAS 5
		REFERENCES: 464 1072
HEJ5	*	HEIWA HADAKA
		REFERENCES: 1049
HEL2	*	HELENA
		REFERENCES: 809 1175
HEL4	*	HELLA
		REFERENCES: 846 893
HEL1	*	HELLAS
		SYNONYMS: SVA6(663)
		REFERENCES: 363 364 378 456 457 460 608 670 686 707 809 893 1036 1077 1082 1174
HEL3		HELLWEG
		REFERENCES: 654
HEL	*	HELMI
		REFERENCES: 16 639 729 730 791 841 1077 1082 1106
HEM1		HEMBAR
		REFERENCES: 462 608 686
HEM	*	HEMMA
		REFERENCES: 53 608 663 686 809 1009 1135 1152
HEN1		HEN GYMRO
		REFERENCES: 241 486 593 595

CODE		FULL NAME
HEN4		HEN HAIDD EULLI
		REFERENCES: 877
HEN2		HENNERSDORFER K 64
		REFERENCES: 686
HEN		HENRO
		SYNONYMS: REBM(1093)
		REFERENCES: 690 1080
HEN5	*	HENRO 108
		REFERENCES: 1049
HEN3	*	HENRY
		REFERENCES: 1016 1019
HER9		HERAT BAZAR
		REFERENCES: 275
HER4		HERB
		REFERENCES: 116
HER5		HERCULES
		REFERENCES: 166
HER2	*	HEREFORDIA
		REFERENCES: 42 148 178 191 360 370 433 574 846 945 946
HER8	*	HERIOT
		REFERENCES: 405
HER	*	HERO
		REFERENCES: 181 319 336 433 469 504 686 1082 1121 1170
HER7	*	HERON
		REFERENCES: 453
HER3	*	HERSE
		REFERENCES: 43 45 166 308 686 808 882 931 997 1082
HER1	*	HERTA
		SYNONYMS: WEIG(1008)
		REFERENCES: 4 17 30 43 45 53 75 92 157 166 167
		168 169 185 190 191 193 194 206 221 239 241
		253 254 255 256 277 301 356 361 363 364 378
		379 382 403 405 434 452 453 456 457 460 464
		487 517 521 523 527 531 546 576 578 618 647
		648 651 686 695 734 760 777 778 794 808 809
		819 820 831 876 927 976 977 997 1023 1079 1082
		1090 1096 1114 1132 1134 1146 1170 1177 1203
HER6	*	HERZO
		REFERENCES: 405 686 757 846
HEX	*	HEXA
		REFERENCES: 190 364 574 608 1176
HEX1		HEXAGONALE DE WAGONVILLE
		REFERENCES: 102
HIA		HIANGSHAN
		REFERENCES: 628
HIB1		HIBERNACULUM
		REFERENCES: 115
HIB		HIBERNACULUM 2664
		REFERENCES: 1006
HID		HIDALGO
		REFERENCES: 252
HIE		HIETPAS 3
		REFERENCES: 252
HIG		HIGHLAND CHIEF
		REFERENCES: 469 984
HIG1		HIGHLAND SCOTCH
		REFERENCES: 469
HIJ		HIJKEMA 1148
		SEE ALSO: HYL
		REFERENCES: 1157
HIL	*	HILAND
		REFERENCES: 18 30 51 252 433 647 648 668 686 747 1037
		1090 1170
HIL4		HILDE
		REFERENCES: 145 364 608 686 1086 1174
HIL5		HILDEBRANDS HANNA
		REFERENCES: 686
HIL1	*	HILLMARSH
		REFERENCES: 45 170 382 1082
HIL3		HILLSA
		REFERENCES: 671 1088
HIL2		HILTE
		REFERENCES: 906

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CODE          FULL NAME

HIM    *  HIMALAYA
            SYNONYMS:  GUY ( 469) HIM1( 469)
            REFERENCES:     25   50   75  251  252  285  379  436  469  474  479
                           498  578  608  609  775 1038 1056
HIM1       HIMALAYA HULL-LESS
            SEE ALSO:  HIM
            REFERENCES:    469
HIM3   *  HIMEKEI 605
            REFERENCES:    613  665
HIM2       HIMMELS
            REFERENCES:    917
HIN    *  HINODEHADAKA
            REFERENCES:    549 1049
HIP        HIPROLY
            SYNONYMS:  HYP1(1082)
            REFERENCES:     68   88   94  101  150  236  252  378  381  500  542
                           608  677  705  709  762  787  792  838  844  893  931
                           945  991  992 1012 1050 1085 1087 1119 1143 1200
HIP1       HIPROLY MUTANT 1508
            SEE ALSO:  RIS
            REFERENCES:   1200
HIS1       HISEIN
            REFERENCES:    285
HIS        HISPOINT
            REFERENCES:     21  232  252  379  403  620
HIZ        HIZAHACHI
            REFERENCES:   1049
HJA1       HJA B7990
            REFERENCES:    405
HJA2   *  HJA B7990 (XR)
            REFERENCES:    405
HJA        HJA34003
            REFERENCES:     16   58
HL         HL 2725
            REFERENCES:    578
HOB        HOBE
            REFERENCES:    608
HOD1       HODGE
            SYNONYMS:  MEX1( 469)
            REFERENCES:    469
HOD2       HODONINSKY
            REFERENCES:   1128
HOD    *  HODONINSKY KVAR
            REFERENCES:     75  259  686  836  943 1082 1128
HOE        HOENGKANG
            REFERENCES:    628
HOF        HOFBRAU
            REFERENCES:    275  469
HOG        HOG BARLEY
            REFERENCES:   1170
HOH5   *  HOHENAUER VOLLKORN
            REFERENCES:    743
HOH        HOHENFINOWER
            REFERENCES:    686  906 1026
HOH2       HOHENHAUER 2-7
            REFERENCES:    102
HOH3       HOHENHAUER 4-2
            REFERENCES:    102
HOH4       HOHENLOHER
            SEE ALSO:  FRAG  ZE13
            REFERENCES:    102  405 1104
HOH1       HOHENTHURN ST 4595 51
            REFERENCES:    694 1082
HOH6       HOHENTURM 12/46
            REFERENCES:   1010
HOH7       HOHENTURM 12/51
            REFERENCES:   1010
HOKP   *  HOKKAIDO CHEVALIER
            REFERENCES:   1049
HOK3       HOKU
            REFERENCES:    628  783  866
HOK    *  HOKUDAI 1
            REFERENCES:    252  544
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CODE		FULL NAME
HOKN		HOKUDAI 2 REFERENCES: 677
HOKM		HOKUDAI 4 REFERENCES: 544
HOKL	*	HOKURIKU HADAKA 13 REFERENCES: 483 1049
HOKJ		HOKURIKU 1 REFERENCES: 483 541 665
HOK6	*	HOKURIKU 2 REFERENCES: 483 1049
HOKI		HOKURIKU 3 REFERENCES: 483
HOK7		HOKURIKU-HADAKA 1 REFERENCES: 483
HOKK		HOKURIKU-HADAKA 4 REFERENCES: 483
HOKC		HOKURIKU-KAWA 10 REFERENCES: 483
HOK5		HOKURIKU-KAWA 11 REFERENCES: 483
HOKD		HOKURIKU-KAWA 12 REFERENCES: 483
HOKE		HOKURIKU-KAWA 13 REFERENCES: 483
HOKF		HOKURIKU-KAWA 14 REFERENCES: 483
HOKG		HOKURIKU-KAWA 15 REFERENCES: 483
HOK8	*	HOKURIKU-KAWA 16 REFERENCES: 483 1049
HOKA		HOKURIKU-KAWA 2 REFERENCES: 483
HOKB		HOKURIKU-KAWA 7 REFERENCES: 483
HOK9		HOKURIKU-KAWA 8 REFERENCES: 483
HOKH		HOKURIKU-KAWA 9 REFERENCES: 483
HOKO		HOKUTAINIZO 1 REFERENCES: 658 1049
HOK1	*	HOKUTO HADAKA REFERENCES: 252 602 1049
HOK2		HOKUTO 1 REFERENCES: 98 315 361 387 608 866 882 1035
HOKQ		HOKUTO 3 REFERENCES: 1049
HOL1		HOLLAND REFERENCES: 252 469 474
HOL2		HOLLANDISCHE BIGGO REFERENCES: 252
HOL5		HOLLEBY REFERENCES: 712
HOL	*	HOLSTON REFERENCES: 252 466 628 1004 1005 1170
HOL4		HOLT REFERENCES: 66
HOL3	*	HOLZAPFEL REFERENCES: 906 1092
HOM		HOMI REFERENCES: 628
HON3		HONEN REFERENCES: 739 740 832 1049
HON4	*	HONEN 6 REFERENCES: 1049
HON5		HONEN 7 REFERENCES: 1049
HON	*	HONGSEONG SYNONYMS: HON1(653) REFERENCES: 653
HON1		HONGSEONGJAERAE SEE ALSO: HON REFERENCES: 653
HON2		HONGSO 5 REFERENCES: 628

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CODE          FULL NAME

HOO8  *  HOOD
           REFERENCES:    190  311  364  424  846
HOO9     HOODED
           REFERENCES:     76  581
HOOA     HOODED ATLAS
           REFERENCES:    270
HOO4     HOODED HULLESS BARLEY
           SEE ALSO:  BEA8
           REFERENCES:    996
HOO3     HOODED SPRING
           REFERENCES:    285  527  721  722
HOO2     HOODED 16
           REFERENCES:    114  142  153  252  567  783  866
HOO5     HOODED 26
           SEE ALSO:  NOR8
           REFERENCES:    252  766
HOO1     HOODED 4
           REFERENCES:    417 1170
HOO      HOODED 6
           SEE ALSO:  TEN5
           REFERENCES:    466 1170
HOO6     HOODLESS BEARDLESS
           REFERENCES:    252  783  920
HOOB     HOODS ON LEMMA
           REFERENCES:    153
HOO7     HOOVER HULL-LESS
           REFERENCES:    469
HOP1  *  HOP
           SEE ALSO:  HOP
           REFERENCES:    236  331  363  364  576  608  663  737  777  809 1130
HOP2     HOPEH
           REFERENCES:    877
HOP      HOPPEL
           SYNONYMS:  HOP1( 364)
           REFERENCES:     50  185  187  311  331  364  424  426  574
HORA     HORA
           REFERENCES:    686
HORK  *  HORAL
           REFERENCES:   1128
HOR3     HORDEUM LAEVIGATUM
           REFERENCES:     45  170  178  292  663  695  771  782 1082
HORH     HORDEUM MURINUM
           REFERENCES:    193
HOR4     HORDZHAU
           REFERENCES:   1082
HOR5     HORDZHAU 18
           REFERENCES:   1082
HORB     HORICKY
           REFERENCES:    686
HORI  *  HORIN
           REFERENCES:    663
HOR1  *  HORN
           REFERENCES:     76  285  461  469  471  473  474  492  517 1170
HORC     HORNA
           REFERENCES:    848
HORD     HORNET
           SEE ALSO:  HOR2
           REFERENCES:    405
HORJ     HORNI
           SEE ALSO:  HOR2
HOR2  *  HORNISSE
           SYNONYMS:  HORD( 405) HORJ(9999)
           REFERENCES:    120  145  405  686  846 1086
HOR7  *  HORPACSI
           REFERENCES:     42  300  809 1174
HOR9     HORPACSI KETSOROS
           REFERENCES:    363  769
HORE     HORPACSI 320
           REFERENCES:   1110
HORF     HORPACSI 324
           REFERENCES:   1110
HORG     HORPACSI 57
           REFERENCES:   1110
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CODE          FULL NAME

HOR    *  HORSFORD
            SYNONYMS:  BEA4(1170) GRE (1170) SUC (1170) SUC1(1170) WIN4( 469)
            REFERENCES:    76  252  285  307  469  512  721  827  866  996 1170
HOR8       HORSFORD BEARDLESS
            REFERENCES:   498
HOR6       HORTA DE SAN JUAN
            REFERENCES:  1138
HOS2   *   HOSHIMASARI
            REFERENCES:   505  658  686 1012 1049
HOS        HOSO MUGI
            REFERENCES:   602  687  690  739  740  783 1049 1192
HOS6       HOSOGARA
            REFERENCES:  1049
HOS3   *   HOSOGARA 1
            REFERENCES:   544 1049 1120
HOS4   *   HOSOGARA 2
            SYNONYMS:  HAS2( 649)
            REFERENCES:   649 1049
HOS1       HOSOKAWA NISHIKI
            REFERENCES:   252
HOS7   *   HOSOMUGI 1
            REFERENCES:  1049
HOS8   *   HOSOMUGI 2
            REFERENCES:  1049
HOS5       HOSOMUGI 3
            REFERENCES:  1049
HOS9   *   HOSOMUGI 3
            REFERENCES:  1049
HOT    *   HOTEIMUGI
            REFERENCES:   483 1049
HOY        HOYO EPUYEN
            REFERENCES:   619
HOZ        HOZOROI
            REFERENCES:   252  540  617  739  740 1048 1049
HOZ1   *   HOZOROI IBARAKI 1
            REFERENCES:  1049
HP4        HP 4388
            REFERENCES:   405
HP5        HP 5466
            REFERENCES:   186  189  190  191  405  695  809
HSI        HSIN AN TIEN 1
            REFERENCES:   153
HUB        HUBITZER
            REFERENCES:   246
HUC        HUCOTO 2
            REFERENCES:    30
HUD    *   HUDSON
            REFERENCES:    98  104  158  159  206  239  248  252  277  368  379
                          418  422  431  559  561  562  563  565  568  569  570
                          571  573  574  581  663  688  764  823  826  861  919
                          926 1016 1017 1018 1019 1021 1022 1082 1108 1170 1172
HUD1       HUDSON (XR)
            REFERENCES:   581  861
HUG        HUGA
            REFERENCES:   783  866
HUL        HULLESS
            REFERENCES:    76  412  469  851 1060
HUL2       HULLESS BETZES
            REFERENCES:   193
HUL1       HULLESS WHITE
            REFERENCES:   252
HUM1       HUME'S ARCHER
            REFERENCES:   253  275
HUM        HUMUUMUGI
            REFERENCES:   628
HUN        HUNGARIAN
            REFERENCES:    42   92  255  256  608  984
HUN2       HUNGARIAN HULL-LESS
            REFERENCES:   469
HUN1   *   HUNTER
            REFERENCES:    44   45   47  252  254  361  364  663  686  809  831
                          1082
HUR    *   HURON
            REFERENCES:   196  197  225  364  923  926
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CODE          FULL NAME

HUR1   *  HURST
            REFERENCES:    469
HUS1      HUSKLESS
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HUS    *  HUSKY
            TRANSLATIONS:  KHA3(RUS)
            REFERENCES:     17  118  200  210  213  219  225  239  322  464  477
                           583  586  591  608  620  686  704 1034 1074 1082 1088
                          1096 1162 1170 1181
HUW       HUWAN
            REFERENCES:    285
HUZ       HUZAR
            REFERENCES:    364
HYA       HYANGCHEONGWA
            SEE ALSO:  GAG
            REFERENCES:    653
HYA1      HYANGCHEONGWA 1
            SEE ALSO:  GAG
            REFERENCES:    653
HYA2   *  HYANGMAEG
            SYNONYMS:  SAT ( 653)
            REFERENCES:    628  653
HYB       HYBERNUM
            REFERENCES:     51  252
HYB1      HYBRID
            REFERENCES:    252
HYB2      HYBRID SMOOTH AWN
            REFERENCES:    252
HYB3      HYBRID 212
            REFERENCES:    689
HYD    *  HYDRA
            REFERENCES:     42  191  192  236  364  574  608  769 1176
HYL1   *  HYLKEMA
            REFERENCES:    663 1112
HYL       HYLKEMA 1148
            SEE ALSO:  EUR
            SYNONYMS:  HIJ (9999)
            REFERENCES:    185  190  191
HYM       HYMANC 187
            REFERENCES:     30
HYO       HYOGO HADAKA
            REFERENCES:    635  636 1049
HYO1   *  HYOKO GOLD 13
            REFERENCES:   1049
HYP    *  HYPANA
            REFERENCES:    149  252  509  647  648  728
HYP1      HYPROLI
            SEE ALSO:  HIP
            REFERENCES:   1082
H204      H204
            REFERENCES:    188  190  191  405  574
I25       I 25
            REFERENCES:    146
IS        I.S.
            REFERENCES:    608
IW1       I.W.112/B-B
            REFERENCES:    383
IAN       IANESKII
            REFERENCES:    252
IAN1      IANTAR
            REFERENCES:   1082
IB        IB 2
            REFERENCES:    232
IB20      IB 205
            REFERENCES:   1053 1055
IB3       IB 24
            REFERENCES:    232
IB4       IB 58
            REFERENCES:    232
IB5       IB 75
            REFERENCES:    232
IBA1   *  IBAN
            REFERENCES:    405  434  846
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CODE		FULL NAME											
IBA		IBARAGI NO 2											
		SEE ALSO: CHIF											
		REFERENCES:	690										
IBI		IBIZA											
		REFERENCES:	877										
IB1		IB123											
		REFERENCES:	775										
IB2		IB226											
		REFERENCES:	64	233									
IB6		IB64											
		REFERENCES:	775										
ICA1		ICA 324											
		REFERENCES:	115										
ICA2		ICA 339											
		REFERENCES:	115										
ICA3		ICA 522											
		REFERENCES:	115										
ICA4		ICA 567											
		REFERENCES:	115										
ICA5		ICA 578											
		REFERENCES:	115										
ICA6		ICA 592											
		REFERENCES:	115										
ICA	*	ICAR 143											
		REFERENCES:	1082	1090									
ICA7		ICAR 5											
		REFERENCES:	34										
ICE		ICELAND 1											
		REFERENCES:	877										
ICE1		ICELAND 27											
		REFERENCES:	877										
ICH1		ICHINEMUGI											
		REFERENCES:	1049										
ICH2	*	ICHINEMUGI 2											
		REFERENCES:	1049										
ICH	*	ICHIWASE											
		REFERENCES:	153	635	636	1049							
IDA1	*	IDA											
		REFERENCES:	364	608	663	1178							
IDA	*	IDAHO CLUB											
		REFERENCES:	166	252	682	1170							
IDE1	*	IDEAL											
		REFERENCES:	364	663									
IDE		IDEAL HULL-LESS											
		REFERENCES:	1170										
IDO		IDOLA											
		SEE ALSO: PROE											
		REFERENCES:	686										
IGL	*	IGLESUELA DEL CID											
		REFERENCES:	1138										
IGR	*	IGRI											
		REFERENCES:	42	187	188	190	191	192	236	311	364	425	426
			574	608	769	848	1130	1176					
ILE		ILE DE RE											
		REFERENCES:	237	663									
ILI2		ILINETSKI											
		REFERENCES:	676										
ILI3		ILINETSKI 46											
		REFERENCES:	72										
ILI	*	ILINETSKII 43											
		REFERENCES:	30	56	252	390	393	421	645	686	732	736	1082
			1084	1085									
ILI1	*	ILINETSKII 5											
		REFERENCES:	72	686	818	1007	1091						
ILL		ILL DE RE											
		REFERENCES:	783										
ILL3	*	ILLIA											
		REFERENCES:	576										
ILL2		ILLMICI 24											
		REFERENCES:	1110										
ILL1		ILLMICI 5											
		REFERENCES:	1110										

CODE		FULL NAME
IMB	*	IMBER
		REFERENCES: 145 180 187 311 335 363 412 593 608 686 696 735 809 871 1077 1084 1143 1164 1174 1175
IME		IMER
		REFERENCES: 810 1082
IMI		IMILCHIL
		REFERENCES: 877
IMM1		IMMENDORFER CARDINS
		REFERENCES: 1202
IMM	*	IMMENDORFER CAROLUS
		REFERENCES: 45 743 1082
IMPC	*	IMPACT
		REFERENCES: 405
IMP1	*	IMPALA
		REFERENCES: 75 175 252 284 310 332 334 686 696 735 777 975 1009 1077 1082 1090 1105 1139 1150
IMP4		IMPERIAL
		SEE ALSO: JER1
		REFERENCES: 252 373 405 469 544 793 895 917 984 1072 1092 1120
IMPB		IMPERIAL STIEGLERS
		REFERENCES: 102
IMP	*	IMPROVED ARIVAT
		SEE ALSO: ARI1
		REFERENCES: 94 230 249 252 288 333 405 515 516 524 525 560 608 693 737 1082 1140 1170 1176
IMPA	*	IMPROVED BOZU
		REFERENCES: 614
IMP7		IMPROVED CHEVALIER
		SEE ALSO: SHA2
		REFERENCES: 469
IMP3		IMPROVED CHEYNE
		REFERENCES: 984
IMP2		IMPROVED GOLDEN MELON
		REFERENCES: 984
IMP6		IMPROVED MANCHURIA
		SEE ALSO: MANH
		REFERENCES: 469
IMP5		IMPROVED MILDEW RESISTANT PUMPER
		REFERENCES: 1152
IMP9		IMPROVED SHIROHADAKA
		REFERENCES: 549 635 636
IMP8		IMPROVED THANET
		SEE ALSO: THA
		REFERENCES: 469
IMPD	*	IMPROVED VOLLA
		REFERENCES: 405
IND4		INDIA
		REFERENCES: 686
IND1		INDIAN DWARF
		REFERENCES: 252 608 919
IND2		INDIANA BEARDLESS WINTER
		REFERENCES: 849
IND		INDIANA WINTER
		SEE ALSO: TEN1
		REFERENCES: 252 469
IND5		INDIRA
		REFERENCES: 877
IND3		INDO OMUGI
		REFERENCES: 483 739 1049
INE		INERME
		REFERENCES: 357 359 381 676
ING4	*	INGA
		REFERENCES: 191 192 846
ING1	*	INGOT
		REFERENCES: 189 190 364

CODE		FULL NAME
ING		INGRID
		SYNONYMS: WEI3(663)
		REFERENCES: 42 43 44 45 47 53 84 85 92 178 182 185 188 190 191 210 228 235 252 254 283 304 317 318 319 333 334 337 361 364 373 375 378 379 405 443 449 452 453 456 460 512 524 574 576 638 686 687 691 718 737 760 771 777 782 809 836 846 891 907 908 1077 1082 1084 1129 1146 1150 1174
ING3		INGRID M
		REFERENCES: 190
ING2		INGRID 2
		REFERENCES: 686
INI	*	INIS
		SYNONYMS: ACK1(334) LIN1(663)
		REFERENCES: 85 94 149 178 327 328 332 334 486 560 608 715 735 871 1077 1082 1135 1140 1164 1199
INJ		INJEONGWA 1
		SEE ALSO: INJ1
		REFERENCES: 653
INJ1		INJEONHADAKA 1
		SYNONYMS: INJ (653)
		REFERENCES: 653
INK	*	INKA
		SYNONYMS: ENGE(9999)
		REFERENCES: 275 608 769 846 974
INR1		INRA CP
		REFERENCES: 405
INR		INRA 10.66
		REFERENCES: 190 191 574
INT1		INTENSIV 1
		REFERENCES: 576 689
INT		INTENSIV 2
		REFERENCES: 1010
INV	*	INVINCIBLE
		REFERENCES: 81 82 252 469
IOA		IOA DO PALA
		REFERENCES: 877
IRA1		IRAN 3
		REFERENCES: 576
IRA	*	IRANIA
		REFERENCES: 51 54 236 364 663 686 1176
IRD		IRDAK 1
		REFERENCES: 275
IRD1		IRDAK 2
		REFERENCES: 275
IRE		IREDELL
		REFERENCES: 252 866
IRE1		IRENE
		REFERENCES: 686
IRI2	*	IRIS
		SEE ALSO: CLE LIN
		REFERENCES: 101 364 405 576 663 737
IRI4		IRISAKA
		REFERENCES: 361
IRI	*	IRISH ARCHER 1
		REFERENCES: 45 90 92 156 167 236 523 530 531 725 790 976 1082
IRI3		IRISH BINDER
		REFERENCES: 379
IRI1	*	IRISH GOLDTHORPE
		REFERENCES: 43 45 167 663 780 1082
IRL		IRLBACHER
		SEE ALSO: VIC4
		REFERENCES: 1092
IRM	*	IRMA
		SYNONYMS: ACKK(846)
		REFERENCES: 361 576 663 1014 1090 1176
ISA2	*	ISABELLA
		REFERENCES: 405

CODE		FULL NAME
ISA	*	ISARIA
		SYNONYMS: ACK (43)
		REFERENCES: 42 43 75 92 97 102 123 166 167 170 206 221 301 320 354 355 357 361 362 370 378 379 453 460 461 523 531 574 576 656 660 661 695 709 713 734 771 777 778 793 875 876 906 945 952 976 977 1079 1082 1132 1133 1138 1156 1170
ISA1	*	ISARIA NOVA
		REFERENCES: 43 45 53 178 334 686 691 882 1008 1009 1026 1082 1152
ISD1		ISDA
		REFERENCES: 663
ISD	*	ISDANIA
		REFERENCES: 656 663
ISE2	*	ISE HADAKA
		REFERENCES: 1049
ISE1		ISEJIRO
		REFERENCES: 837
ISE		ISENOUCHI
		SYNONYMS: GYU (653)
		REFERENCES: 653
ISK		ISKRA
		REFERENCES: 275 842 890 1084 1104
ISP		ISPASSKII
		REFERENCES: 1028
ISR4		ISRAELI 121
		REFERENCES: 686
ISR1		ISRAELI 264
		REFERENCES: 829
ISR		ISRAELI 46
		REFERENCES: 686 829 1090
ISR3		ISRAELI 49
		REFERENCES: 153 686
IST		ISTHMOS
		REFERENCES: 51
IST1	*	ISTRINSKII
		REFERENCES: 893 894
ITA		ITALIAN
		SEE ALSO: GOLA
		REFERENCES: 76 469 474 654 829
ITZ		ITZER
		REFERENCES: 877
IUJ		IUJNJI
		REFERENCES: 392
IVA	*	IVANHOE
		REFERENCES: 405
IVO		IVOLGINSKIJ 94
		REFERENCES: 877 979
IWA6		IWAKEI 73
		REFERENCES: 483
IWA1	*	IWATA SANTOKU
		REFERENCES: 690 1049 1192
IWA2	*	IWATE
		REFERENCES: 738 740 783
IWA4	*	IWATE HOSOMUGI NO 1
		REFERENCES: 540 602 738 739 740 1046
IWA5	*	IWATE HOZOROI 1
		REFERENCES: 483 540 738 739 740 1049
IWA		IWATE MANCHURIA NO 2
		SEE ALSO: IWA8
		REFERENCES: 690
IWA8		IWATE MENSURY 2
		SYNONYMS: IWA (649)
		REFERENCES: 649 1049
IWA3	*	IWATE NO 1
		REFERENCES: 540 739 1049
IWA9	*	IWATE OMUGI 1
		REFERENCES: 1049
IWA7	*	IWATE OMUGI 3
		REFERENCES: 483 1049
IWAA	*	IWATE SEKITORI 1
		REFERENCES: 1049
IYG		IYGEVA
		REFERENCES: 645 670 704 978

CODE		FULL NAME	
IYG1		IYGEVA 1104	
		REFERENCES:	1084
IZH		IZHEMSKII	
		REFERENCES:	102
IZU		IZUMIWASEHADAKA	
		REFERENCES:	549 677
J20		J 20	
		REFERENCES:	836
JAB1		JABLE 12 E	
		REFERENCES:	686
JAB		JABLE 4 E	
		REFERENCES:	686
JAC1		JACKSON	
		REFERENCES:	252 379 866
JAC	*	JACKSON 1	
		REFERENCES:	252 466 579 668 675 700 866 1004 1005 1170
JAD	*	JADAR	
		REFERENCES:	460 1082
JAD1	*	JADAR 2	
		REFERENCES:	381 460 882 1082
JAD2		JADERSKIJ	
		REFERENCES:	686
JAE5		JAECHEON 5	
		REFERENCES:	628
JAE4		JAECHUN	
		REFERENCES:	1031
JAE6		JAELAEMACK	
		REFERENCES:	628
JAE	*	JAERAEBAEG	
		REFERENCES:	240 653
JAE1	*	JAERAECHEONG	
		REFERENCES:	653
JAE2		JAERAEJANGMANG	
		REFERENCES:	628 653
JAE3	*	JAERAEJONG	
		REFERENCES:	240 653
JAI		JAICHEON 1	
		REFERENCES:	628
JAI1	*	JAIDOR	
		REFERENCES:	236 576
JAJ		JAJENMACK 3	
		REFERENCES:	628
JAM2		JAMAKAWA WASE	
		REFERENCES:	1035
JAM1	*	JAMES	
		REFERENCES:	1020
JAM		JAMIMACK	
		REFERENCES:	628
JAN2	*	JANES	
		REFERENCES:	187 363 364 405 424 576 608 686 846
JAN	*	JANETZKI	
		REFERENCES:	246 663 686 865 906
JAN3		JANGMANG	
		REFERENCES:	628
JAN4		JANGMANGYUKGAK	
		REFERENCES:	628
JAN7		JANJUBAEKWA	
		REFERENCES:	631 677 844
JAN5		JANOWICKI	
		REFERENCES:	686
JAN1	*	JANTAR	
		REFERENCES:	536 686 836 943 1128 1136
JAN6		JANTARNYJ	
		REFERENCES:	686
JAP1		JAPAN 1	
		REFERENCES:	100 608 663 828
JAP8		JAPAN 456	
		REFERENCES:	686
JAP2		JAPANESE 419	
		REFERENCES:	998
JAP		JAPANESE 434	
		REFERENCES:	51 998
JAP4		JAPANESE 435	
		REFERENCES:	998

CODE		FULL NAME
JAP5		JAPANESE 438
		REFERENCES: 998
JAP6		JAPANESE 439
		REFERENCES: 998
JAP7		JAPANESE 451
		REFERENCES: 998
JAR2		JARBYGG
		REFERENCES: 443 460 1082
JAR		JAREK
		REFERENCES: 686 836 947
JAR1	*	JARLE
		REFERENCES: 4 405 686 1082
JAR3	*	JARVIS
		REFERENCES: 469
JAS1		JASAEKMACK
		REFERENCES: 628
JAS		JASPIS
		REFERENCES: 974 1103
JAS2		JASSENER LANDGERSTE
		REFERENCES: 102 686
JAY1	*	JAYBEL
		REFERENCES: 486 608 663 919
JAY		JAYDEE
		REFERENCES: 252 608 663 919
JCP		JCP
		REFERENCES: 178 334
JEA		JEANS
		REFERENCES: 242
JEC	*	JECHEON 1
		REFERENCES: 240 617 653
JEC1	*	JECHEON 5
		REFERENCES: 463 653
JEF	*	JEFFERSON
		REFERENCES: 121 252 431 581 644 799 919 1018 1019
JEL		JEL 2
		REFERENCES: 877
JEL1		JEL 3
		REFERENCES: 877
JEM		JEMEN
		REFERENCES: 829
JEO2		JEONBUKDAEMACKSIN
		REFERENCES: 628
JEOC		JEONBUKJAELAE
		REFERENCES: 628
JEO5		JEONDAESIN 4
		REFERENCES: 628
JEO4		JEONDAESIN 44
		REFERENCES: 628
JEO3		JEONDAESIN 6
		REFERENCES: 628
JEO7		JEONNAMDAEMACK 10
		REFERENCES: 628
JEOD		JEONNAMDAEMACK 15
		REFERENCES: 628
JEO8		JEONNAMDAEMACK 19
		REFERENCES: 628
JEO9		JEONNAMDAEMACK 20
		REFERENCES: 628
JEOA		JEONNAMDAEMACK 24
		REFERENCES: 628
JEOE		JEONNAMDAEMACK 3
		REFERENCES: 628
JEOB		JEONNAMDAEMACK 41
		REFERENCES: 628
JEO6		JEONNAMDAEMACKSHIN 20
		REFERENCES: 628
JEO	*	JEONNAMDAEMAEGSIN 4
		SYNONYMS: SIN (653)
		REFERENCES: 628 653
JEO1		JEONNAMJALAE
		REFERENCES: 628
JER1		JERUSALEM
		SYNONYMS: IMP4(654) KAI4(654) SPI1(654)
		REFERENCES: 100 356 608 654 663

CODE		FULL NAME	
JER		JERUSALEM 2	
		REFERENCES:	100 102 360 663 686 829
JES		JESUITAS ONA 1	
		REFERENCES:	1138
JES1		JESUITAS ONA 2	
		REFERENCES:	1138
JET		JET	
		REFERENCES:	5 33 50 83 95 100 114 143 151 195 214 218 221 222 223 225 226 232 234 236 330 350 394 468 469 527 576 586 587 588 589 591 592 608 626 671 704 728 831 922 925 927 1023 1024 1082 1084 1179 1180 1181 1182 1183 1183 1184
JEW		JEWEL	
		REFERENCES:	469
JIJ		JIJA	
		REFERENCES:	275
JIK		JIKISHIRAZU	
		SEE ALSO:	SHJ
		REFERENCES:	653
JIL1	*	JILOCA 1	
		REFERENCES:	1138
JIL		JILOCA 2	
		REFERENCES:	1138
JIL2	*	JILOCA 3	
		REFERENCES:	1138
JIL3	*	JILOCA 4	
		REFERENCES:	1138
JIM		JIMMA	
		REFERENCES:	23
JIN	*	JINANDONG	
		REFERENCES:	653
JO		JO	
		REFERENCES:	535
JOS1	*	JO-SEL	
		REFERENCES:	639
JOE		JOEGLUME	
		REFERENCES:	252
JOG1	*	JOGANGBORI	
		REFERENCES:	677 844
JOG		JOGEVA 350	
		REFERENCES:	1136
JOH2	*	JOHANNA (FRANCE 1908)	
		REFERENCES:	102 355 576
JOH	*	JOHANNA (GERMAN FED REP)	
		REFERENCES:	47 252 371 533 1026 1082 1150
JOH1	*	JOHNSTON	
		REFERENCES:	364 1180 1182
JON		JON	
		REFERENCES:	877
JON1	*	JONNA	
		REFERENCES:	663
JOO		JOOKHA	
		REFERENCES:	630
JOR2		JORDAN 2	
		REFERENCES:	455
JOS		JOSANGMINONG	
		REFERENCES:	628
JOT		JOTUN	
		REFERENCES:	4 22 66 851 900 902 919 1136
JOU		JOUTSENKAULA	
		SEE ALSO:	SVA1
		REFERENCES:	841 1106
JOV		JOVIS	
		REFERENCES:	686
JOY		JOYOTI	
		REFERENCES:	994
JUB	*	JUBILEE	
		REFERENCES:	131 132 213 239 252 324 364 389 818 1086
JUB1		JUBILEJNYJ	
		REFERENCES:	686
JUD		JUDINA	
		REFERENCES:	877

CODE		FULL NAME
JUG		JUGHA
		SEE ALSO: TAK
		REFERENCES: 653
JUK		JUKLIM
		REFERENCES: 628
JUK1		JUKOWICKI TRIUMF
		REFERENCES: 686
JUL5	*	JULI
		REFERENCES: 166 275 371 379 405 443 686
JUL1		JULIA
		SYNONYMS: CEB (608)
		REFERENCES: 85 120 145 178 187 191 193 236 311 363 364 381 405 412 424 426 427 453 462 487 593 608 686 695 696 715 735 737 762 777 804 845 962 993 1077 1082 1143 1173 1174
JUL		JULIACA
		REFERENCES: 252 285 721 722 937 939 1109 1170
JUL4	*	JULIANA
		SEE ALSO: JUL3
		REFERENCES: 846 1082 1090
JUL3		JULIANE
		SYNONYMS: JUL4(9999)
		REFERENCES: 405 686 846 1026
JUL2		JULY
		SYNONYMS: ABE8(9999)
		REFERENCES: 81 100 111 156 469 527 816
JUM	*	JUMBO
		REFERENCES: 98 190 191 331 364 370 560 574 577 724 846 1161
JUN1		JUNGANGMAEG
		REFERENCES: 653
JUN4		JUNGBORI
		REFERENCES: 653
JUN2		JUNGBORI 1
		SEE ALSO: SEU
		REFERENCES: 653
JUN3		JUNGBORI 5
		SEE ALSO: SEU1
		REFERENCES: 653
JUN		JUNIN
		REFERENCES: 760
JUP	*	JUPITER
		REFERENCES: 187 190 191 192 311 364 405 424 425 663
JUR		JUROMENHA
		REFERENCES: 252 877
JUS		JUSBORNE
		REFERENCES: 252
JUT		JUTTA
		REFERENCES: 34 678
JUV		JUVEL
		REFERENCES: 917
JYG		JYGEVA 1104
		REFERENCES: 877
JYO		JYOTI
		REFERENCES: 68 70
K14		K 14
		REFERENCES: 1054
K23		K 23
		REFERENCES: 1054
K24		K 24
		REFERENCES: 68 775 994 995 1054
K25A		K 25A
		REFERENCES: 1054
K40		K 40
		REFERENCES: 1054
K41		K 41
		REFERENCES: 1054
K43		K 43
		REFERENCES: 1054
K45		K 45
		REFERENCES: 1054
K5		K 5
		REFERENCES: 1054

CODE		FULL NAME
K72		K 72
		REFERENCES: 1054
K12		K.12
		REFERENCES: 107 383 555 623 775 983 1054
K13		K.13
		REFERENCES: 743
K70	*	K.70
		REFERENCES: 34 383 775 995 1054
K3	*	K-3
		REFERENCES: 15
KAB1		KABEL
		REFERENCES: 275
KAB		KABUL
		REFERENCES: 877
KAD		KADA
		REFERENCES: 866
KAF		KAFFA 2
		REFERENCES: 663
KAG		KAGAWA
		SEE ALSO: KAG5
		REFERENCES: 690
KAG6		KAGAWA HADAKA 1
		SYNONYMS: GAG (649) KAG5(9999)
		REFERENCES: 630 1049
KAG4		KAGAWA 5
		REFERENCES: 635 636
KAG5		KAGAWAHADAKA
		SEE ALSO: KAG6
		SYNONYMS: KAG (649)
		REFERENCES: 153 635 636 1049
KAG8		KAGEKIYO
		REFERENCES: 1049
KAG7	*	KAGEKIYO 11
		REFERENCES: 1049
KAG3		KAGOSHIMA BENIUME
		REFERENCES: 635
KAG2	*	KAGOSHIMA HADAKA
		REFERENCES: 549 635 1049
KAG9	*	KAGOSHIMA KAMAORE 1
		REFERENCES: 1049
KAG1	*	KAGOSHIMA KOBAI
		SEE ALSO: KOU1
		REFERENCES: 252 1049
KAIG		KAIKEI 2
		REFERENCES: 761
KAIM		KAIKEI 21
		REFERENCES: 1049
KAIF	*	KAIKEI 22
		REFERENCES: 1049
KAIE		KAIKEI 24
		REFERENCES: 1049
KAIC		KAIKEI 30
		REFERENCES: 1049
KAIB		KAIKEI 34
		REFERENCES: 1049
KAIH	*	KAIKEI 39
		REFERENCES: 1049
KAI7		KAIKEI 43
		REFERENCES: 602
KAII	*	KAIKEI 44
		REFERENCES: 1049
KAIA		KAIKEI 8
		REFERENCES: 1049
KAI6		KAIKEI 84
		REFERENCES: 483 1049
KAID		KAIKEI 88
		REFERENCES: 1049
KAIJ	*	KAIMON HADAKA
		REFERENCES: 1049
KAI5		KAIRO BOZUMUGI
		REFERENCES: 609 1199
KAI	*	KAIRYO
		REFERENCES: 690 1049 1082

CODE		FULL NAME
KAI2	*	KAIRYO BOZU
		REFERENCES: 153 252 363 1049 1192
KAIK	*	KAIRYO HACHIKOKU
		REFERENCES: 1049
KAIL	*	KAIRYO HADAKA 2
		REFERENCES: 1049
KAI1	*	KAIRYO HIZAHACHI
		REFERENCES: 690 1049 1192
KAIS		KAIRYO HONEN
		REFERENCES: 761
KAIO	*	KAIRYO MIKURIYA 1
		REFERENCES: 1049
KAIN	*	KAIRYO NEJIREYAKKO
		REFERENCES: 1049
KAI9	*	KAIRYO NIJO
		REFERENCES: 658
KAIP	*	KAIRYO OGARA
		REFERENCES: 1049
KAIQ	*	KAIRYO SHIMBARA HADAKA
		REFERENCES: 1049
KAIR	*	KAIRYO SUZUMEYAKKO
		REFERENCES: 1049
KAI3		KAIRYOU HADAKA
		REFERENCES: 252 1049 1192
KAI8		KAISARIE
		REFERENCES: 1092
KAI4		KAISER
		SEE ALSO: JER1
		REFERENCES: 469
KAJ		KAJSA
		REFERENCES: 364
KAK		KAKAPO
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		REFERENCES: 1049
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KAL2		KALIMPONG 1126
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KAL		KALINA
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		REFERENCES: 654
KAL3		KALKREUTER
		SYNONYMS: KAL4(9999)
		REFERENCES: 115 123 252 663 783
KAL4		KALKREUTHER UNIVERSAL
		SEE ALSO: KAL3
		REFERENCES: 246
KAL7		KALUJA
		REFERENCES: 877
KAM3	*	KAMAKURA
		REFERENCES: 540 1049
KAM2		KAMAMUGI
		REFERENCES: 252 469 617
KAM1		KAMAORE
		REFERENCES: 690 1049
KAM	*	KAMIAK
		REFERENCES: 51 238 252 431 823 826
KANS		KANAGAWA
		REFERENCES: 1049
KAN5	*	KANBY
		REFERENCES: 502
KANQ		KANDEBU
		REFERENCES: 381
KAND	*	KANEKO GOLD
		REFERENCES: 637 686 1049
KANJ		KANEKO GOLD EBISU
		REFERENCES: 1012
KANC		KANESHIRO
		REFERENCES: 617

CODE		FULL NAME
KAN7		KANGBORI
		REFERENCES: 628
KANH		KANGDING BLACK NAKED BARLEY
		REFERENCES: 526
KANI		KANGDING WHITE NAKED BARLEY
		REFERENCES: 526
KAN2		KANGRA VALLEY
		REFERENCES: 469
KANO		KANIERE
		REFERENCES: 686
KANL	*	KANPUR 24
		REFERENCES: 107
KAN		KANSAS COMMON SIX-ROWED
		SEE ALSO: STA
		REFERENCES: 1170
KANP	*	KANTO BANSEI GOLD
		REFERENCES: 686
KANR	*	KANTO NAKATE GOLD
		REFERENCES: 1049
KANK	*	KANTO NAKATEGO
		REFERENCES: 658 1012
KANE		KANTO NIJO 12
		REFERENCES: 665
KANF	*	KANTO NIJO 2
		REFERENCES: 665 740 1012 1049
KAN6	*	KANTO NIJO 3
		REFERENCES: 637 658 1012 1099
KANM		KANTOKAWA
		REFERENCES: 602
KANB		KANTOKAWA 11
		REFERENCES: 540
KAN8	*	KANTOKAWA 27
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KANG		KANTOKAWA 42
		REFERENCES: 738
KAN4		KANTOKAWA 43
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KAN3		KANTOKAWA 45
		REFERENCES: 51
KAN9		KANTOKAWA 48
		REFERENCES: 739 1099
KANA		KANTOKAWA 49
		REFERENCES: 739 1099
KANN		KANTOKAWA 7
		REFERENCES: 602
KAN1		KANTOU GOLDEN MELON
		REFERENCES: 252 1192
KARI	*	KARA MARUMI 1
		REFERENCES: 1049
KARE		KARABALYKSKII
		REFERENCES: 813 979
KARG	*	KARAN 18
		REFERENCES: 881
KARH	*	KARAN 19
		REFERENCES: 881
KAR4		KARAPCHOVSKII
		REFERENCES: 1028
KARF	*	KARAT
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KARB		KARCAGI 258
		REFERENCES: 1110
KARA		KARCAGI 39
		REFERENCES: 1110
KAR	*	KARGYN
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KAR9		KARIN
		REFERENCES: 846 877
KAR5	*	KARL
		REFERENCES: 152 275 686 773 1168
KARJ		KARLS 2
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KAR2		KARNTNER
		REFERENCES: 53 252 1008 1009 1135 1152
KAR3		KARNTNER EARLY
		REFERENCES: 1008

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KAR8		KARPATY
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KAR1	*	KARRI
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KAR7		KARRU
		REFERENCES: 1121
KARD		KARSHINSKII
		REFERENCES: 645
KAR6		KARUBORI
		REFERENCES: 866
KARC	*	KARUGANDINSKII
		REFERENCES: 1136
KAS		KASHGAR HULL-LESS
		REFERENCES: 469
KAS2	*	KASHIMAMUGI
		REFERENCES: 738 1049
KAS1		KASHMIR
		REFERENCES: 469
KAS4		KASHORI
		REFERENCES: 246
KAS3		KASHTITSKII
		REFERENCES: 323 389 686 687
KAT5		KATANO
		REFERENCES: 1049
KAT4		KATANS
		REFERENCES: 617
KAT2	*	KATJA
		SYNONYMS: ENGF(9999)
		REFERENCES: 236 364 574 608 663 769 1176
KAT3	*	KATORIMUGI
		REFERENCES: 739 740 1099
KAT1		KATTERBACHER
		REFERENCES: 777 906 1082
KAT	*	KATY
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KAU		KAUFBEURENER VIERZEILIGE
		REFERENCES: 686
KAV		KAVKAZSKY NAHY
		REFERENCES: 686
KAW3		KAWA 125
		REFERENCES: 1049
KAW	*	KAWAHONAMI
		REFERENCES: 637 1099
KAW2		KAWAN
		REFERENCES: 866
KAW1		KAWAZAIGOKU
		REFERENCES: 637 1193
KAZ		KAZANSKII 6/4
		REFERENCES: 9 10 30 389 401 445 604 686 704 707 709 733 736 1082 1084 1087 1090 1119
KAZ1	*	KAZIMIRSKI
		REFERENCES: 75 656 1082
KEA	*	KEARNEY
		REFERENCES: 98 116 252 316 431 522 550 551 552 553 579 727 746 850 869 918 928 965 1082 1108 1154 1170
KED		KEDAKA ROKKAKU
		SEE ALSO: KET3
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KEG	*	KEG
		REFERENCES: 190 192 311 364 405 608 663 1176
KEH		KEHRWIEDER 2
		REFERENCES: 686
KEN5	*	KENATE
		REFERENCES: 98 159 201 204 206 215 239 252 277 466 764 921 1082 1170
KEN	*	KENBAR
		REFERENCES: 77 98 121 159 252 341 342 368 422 579 581 748 749 764 783 796 850 1003 1069 1108 1131 1170

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KEN6	*	KENIA	
		REFERENCES:	23 30 42 43 44 45 75 90 91 92 102 109 111 165 167 168 170 178 180 181 191 206 210 228 241 253 254 255 256 301 304 307 336 371 378 379 413 453 460 461 462 519 523 530 531 546 547 582 593 618 687 695 713 725 760 771 777 778 779 780 781 782 807 808 809 810 814 876 943 976 977 997 1012 1014 1015 1027 1028 1033 1046 1053 1059 1079 1082 1090 1114 1132 1133 1139 1146 1170 1173 1174 1174 1177 1181 1191 1196 1203
KEN9		KENIA KORN	
		REFERENCES:	760
KENC	*	KENIA RESEARCH	
		REFERENCES:	23 285 286
KENF		KENIA 1	
		REFERENCES:	102
KEN7		KENIA 17/8	
		REFERENCES:	210
KENH		KENIA 2	
		REFERENCES:	355 361 576
KENE		KENIT SPRING	
		REFERENCES:	687
KENB		KENT	
		REFERENCES:	469 917
KENA		KENTUCKY SMOOTH-AWNED	
		REFERENCES:	252 628 760
KEN1	*	KENTUCKY 1	
		REFERENCES:	158 159 160 161 252 315 316 360 405 431 566 568 569 579 581 644 700 703 849 850 866 918 1018 1153 1170
KEN4		KENTUCKY 1 (VIRGINIA STRAIN)	
		REFERENCES:	431 461 1170
KEN3		KENTUCKY 2	
		REFERENCES:	252 405 701 702 866 1038 1170
KEN2		KENTUCKY 5	
		REFERENCES:	579 701 1170
KEN8	*	KENTUCKY 8	
		REFERENCES:	201
KEND		KENYOSHI NO 1	
		REFERENCES:	540 738 739 740 1049
KENG		KENYOSHI 3	
		REFERENCES:	544
KEO	*	KEOWEE	
		REFERENCES:	252 340 418 431 798 919
KEP		KEPPORI	
		REFERENCES:	617
KER1	*	KERR	
		REFERENCES:	51 296 297 340 851
KER	*	KERVANA	
		REFERENCES:	252 363 576 608 737 893 1082
KES	*	KESAJIRO	
		REFERENCES:	1046 1049
KET3	*	KETAKA ROKKAKU	
		SYNONYMS:	KED (649)
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KET1	*	KETCH	
		REFERENCES:	138 364 663 1012
KET		KETSOROS BETA	
		REFERENCES:	393 608 709 1081 1082
KEY	*	KEYSTONE	
		REFERENCES:	30 151 195 214 239 252 329 330 364 381 436 536 575 586 588 591 592 686 840 924 1015 1023 1081 1082 1084 1090 1112 1181
KEZ		KEZEN-HADAKA	
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KHA1		KHAMPADZONG 983	
		REFERENCES:	252
KHA7		KHARKOVSKII	
		REFERENCES:	393
KHA2		KHARKOVSKII 306	
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KHAC		KHARKOVSKII 36	
		REFERENCES:	979

CODE		FULL NAME
KHAB		KHARKOVSKII 410
		REFERENCES: 708 979
KHA9	*	KHARKOVSKII 60
		REFERENCES: 9 979 1084 1085 1086
KHA5		KHARKOVSKII 64
		REFERENCES: 390 874
KHAD	*	KHARKOVSKII 70
		REFERENCES: 1112
KHA8		KHARKOVSKII 8
		REFERENCES: 1189
KHAA		KHARPACHI 57
		REFERENCES: 689
KHA6		KHARSILA
		REFERENCES: 645 783
KHA4		KHASAVYURTOVSKII
		REFERENCES: 645 1006
KHA3		KHASKI
		SEE ALSO: HUS *
		REFERENCES: 1082
KHA	*	KHAYYAM
		REFERENCES: 315 387 469 866 918
KHE		KHEIMDAL
		SEE ALSO: HEI2*
		REFERENCES: 1082
KHE1		KHERSON
		REFERENCES: 275 877
KHO		KHOLT SAKHALIN
		REFERENCES: 252
KHO1		KHORDZHOU
		REFERENCES: 882
KHO2		KHORDZHOU 18
		REFERENCES: 645
KIA		KIANSU
		REFERENCES: 706
KID		KIDO
		REFERENCES: 315 551 783 866
KIE	*	KIEBITZ
		REFERENCES: 364 405 608 809 846 1175 1178
KIK	*	KIKAIHADAKA
		REFERENCES: 549 613 614 719 1049
KIK1	*	KIKO B
		REFERENCES: 658
KIL	*	KILTA
		REFERENCES: 730
KIM2		KIMAK
		REFERENCES: 866
KIM	*	KIMBERLY
		REFERENCES: 252 285 773 866 1165
KIM1		KIMUGI
		REFERENCES: 363 1041
KINA		KINAI GORU
		REFERENCES: 739 740 832
KIND	*	KINAI KANTO
		REFERENCES: 832 1049
KIO1	*	KINAI KYOSHINKAI 2
		REFERENCES: 1049
KIO2	*	KINAI NITA HADAKA
		REFERENCES: 1049
KIOI		KINAI SEKITORI 1
		REFERENCES: 1049
KIN5		KINAI SEKITORI 2
		REFERENCES: 541 690
KINI		KINAI SEKITORI 3
		SYNONYMS: GIN (649)
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KINN	*	KINAI 1
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KINO	*	KINAI 2
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KIOH		KINAI 21
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KINU		KINAI 27
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CODE          FULL NAME

KINP   *  KINAI 3
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KINW   *  KINAI 33
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KINX   *  KINAI 34
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KINY   *  KINAI 35
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KINZ   *  KINAI 36
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KIO    *  KINAI 37
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KIOA   *  KINAI 38
            REFERENCES:   1049
KIOB   *  KINAI 39
            REFERENCES:   1049
KINQ   *  KINAI 4
            REFERENCES:   1049
KIOC   *  KINAI 40
            REFERENCES:   1049
KIOD   *  KINAI 41
            REFERENCES:   1049
KINF   *  KINAI 42
            REFERENCES:    544 1049
KIOE   *  KINAI 43
            REFERENCES:   1049
KIOF   *  KINAI 46
            REFERENCES:   1049
KINH      KINAI 5
            REFERENCES:   1046
KINR   *  KINAI 6
            REFERENCES:   1049
KIOG   *  KINAI 62
            REFERENCES:   1049
KINS   *  KINAI 7
            REFERENCES:   1049
KINT   *  KINAI 8
            REFERENCES:   1049
KINK      KINDOKU 2
            REFERENCES:   1035
KIN    *  KINDRED
            SYNONYMS:  KIN1(1170) LBA (1170)
            REFERENCES:     22    23   118   153   205   208   226   239   252   353   369
                           379   433   464   476   478   479   527   668   669   681   682
                           683   686   711   852   853   898   900   902   934  1082  1088
                          1154  1170
KIN1      KINDRED L
            SEE ALSO:  KIN
            REFERENCES:    749   852  1170
KIN8      KINEL 5
            REFERENCES:    882
KIN6      KINELSKII 5
            REFERENCES:     30   420  1073  1076  1082  1103
KIN9      KINELSKII 6
            REFERENCES:   1073
KIN7      KING CHEVALLIER
            SEE ALSO:  CHE1
            REFERENCES:    469
KINJ      KING TALAL DAM
            REFERENCES:    877
KINB      KINGYOKU
            REFERENCES:    541
KINL   *  KINKI SHU
            REFERENCES:    658
KIN4   *  KINKORA
            REFERENCES:    195   225   364  1023
KINC      KINOME
            REFERENCES:    738
KIO3   *  KINOME OMUGI
            REFERENCES:   1049
KINE      KINROKU
            REFERENCES:    837   866  1035
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 CODE          FULL NAME

KING      KINTBURY
            REFERENCES:   654
KINM      KINTOKI
            REFERENCES:  1049
KIO4      KINUKAWA
            REFERENCES:  1049
KIO5   *  KINUKAWA 22
            REFERENCES:  1049
KIN3      KINVER
            REFERENCES:    82  929
KIN2   *  KINVER CHEVALLIER
            SEE ALSO:  CHE1
            REFERENCES:    89  469  484  531  654  725
KIP1      KIPO
            REFERENCES:   866
KIP       KIPPER
            REFERENCES:   252
KIR6   *  KIRBY
            REFERENCES:   469
KIR5      KIRGIZSKII 247
            REFERENCES:  1082 1101
KIRA   *  KIRGIZSKII 26
            REFERENCES:   395
KIR7   *  KIRIN CHOKU 1
            REFERENCES:   505 1035 1043 1044 1098
KIRB   *  KIRIN CHOKU 2
            REFERENCES:  1049
KIR4      KIRKLAND BEARDLESS
            REFERENCES:   252
KIR9      KIRMSE 5
            REFERENCES:   920
KIR1      KIRSCHES
            REFERENCES:    43  102  559  743 1082 1092
KIR       KIRSCHES WINTERGERSTE
            TRANSLATIONS:  ORG2(FRE)
            REFERENCES:    42   43  559  574 1082 1092
KIR2      KIRSCHES ZWEIZEILIGE
            TRANSLATIONS:  ORG3(FRE)
            REFERENCES:    42   43  574  743
KIR3      KIRSCHES 2R
            REFERENCES:    43
KIR8   *  KIRUNA
            SYNONYMS:  STRD(9999)
            REFERENCES:   364  574  769  846
KIT6   *  KITAKANTOKAWA 3
            REFERENCES:   738
KIT       KITCHIN
            REFERENCES:    33  232  252  671  816  831
KIT4   *  KITE
            REFERENCES:   364  405  426  663  686 1176
KIT5      KITSUKIWASE
            REFERENCES:   637  739  740  832 1012
KIT7      KITTA
            REFERENCES:   791
KIT1      KITZING
            REFERENCES:   252  469
KIT2      KITZING 2 ROWED
            REFERENCES:   767
KIT3      KITZING 4 ROWED
            REFERENCES:   767
KLA    *  KLAGES
            REFERENCES:   193  238  252  380  608  728  773 1165 1167
KLA1   *  KLARA
            REFERENCES:    54  663
KLA2   *  KLAXTON
            REFERENCES:   192
KLE       KLEIN BH 7500
            REFERENCES:    30  155  686  704  997 1037 1088
KLE1      KLEINE WARTEBRUCH
            REFERENCES:    51
KLE7      KLEINWANZLEBENER
            REFERENCES:   663  686  836  846 1049
KLE3      KLEINWANZLEBENER 14705
            REFERENCES:   459
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CODE		FULL NAME
KLE8	*	KLEPININSKII REFERENCES: 1112
KLE2		KLEPININSKII 182 REFERENCES: 558 736 978
KLE5		KLES REFERENCES: 686
KLE6		KLESZCZEWSKI HANNA REFERENCES: 686
KLO	*	KLONDIKE REFERENCES: 226 364 481 1179 1180 1181 1182 1183
KLO1		KLOSTERKAMMER REFERENCES: 252
KM1		KM 1192 REFERENCES: 236
KM9		KM 947 REFERENCES: 1199
KME		KMEN 108 1252 REFERENCES: 933
KME1		KMEN 1192 REFERENCES: 1087
KN		KN 15 REFERENCES: 1054
KN1		KN 16 REFERENCES: 1054
KN2		KN 17 REFERENCES: 1054
KN3		KN 26 REFERENCES: 1054
KN4		KN 27 REFERENCES: 1054
KN5		KN 28 REFERENCES: 1054
KN6		KN 29 REFERENCES: 1054
KN7		KN 30 REFERENCES: 1054
KNE1		KNEIB REFERENCES: 1189
KNE	*	KNEIFEL REFERENCES: 43 44 75 290 355 361 379 410 453 686 687 695 743 777 836 846 1082
KNE2		KNEIFELS VOLLKORNGERSTE SEE ALSO: VOL3 REFERENCES: 686
KNO1	*	KNOB REFERENCES: 121 342 431 581
KNO	*	KNOOK REFERENCES: 338 405 846
KOA	*	KO A SYNONYMS: KOU (9999) REFERENCES: 1049 1192
KOC3	*	KO C REFERENCES: 658
KO	*	KO-1-18 REFERENCES: 658 1012 1049
KOB		KOBAI SEE ALSO: KOU1 REFERENCES: 76 170 617 875 1045 1049
KOB7	*	KOBAI SAI 1 REFERENCES: 1049
KOB4	*	KOBAI 10 REFERENCES: 687 1049
KOB6		KOBAI 14 REFERENCES: 1049
KOB3		KOBDAICUM REFERENCES: 252
KOB2		KOBIN REFERENCES: 690
KOB8		KOBINKATAGI REFERENCES: 1049
KOB1	*	KOBINKATAGI 1 REFERENCES: 252 544 613 636 690 1049 1192
KOB9	*	KOBINKATAGI 36 REFERENCES: 1049

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KOB5		KOBINKATAGI 4	
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KOC1	*	KOCHERPERLE	
		REFERENCES:	363 608 686 1026 1082 1090
KOC2		KOCHI WASE	
		REFERENCES:	1046 1049
KOC		KOCHS NAKED WINTER BARLEY	
		REFERENCES:	961
KOD1		KODAMA 13	
		REFERENCES:	1049
KOD	*	KODRU	
		REFERENCES:	389
KOE		KOE	
		REFERENCES:	628
KOG		KOGANGMACK	
		REFERENCES:	628
KOG2		KOGENDO	
		REFERENCES:	866
KOG1	*	KOGENMUGI	
		REFERENCES:	483 540 602 717 1041 1049
KOI		KOISHO NANDO	
		REFERENCES:	153
KOK		KOKUBI	
		REFERENCES:	690 1049 1192
KOL1		KOLKHIKIM	
		REFERENCES:	252
KOL4		KOLKHIKUM 10/30	
		REFERENCES:	33 1088
KOL2		KOLKHOZNYI	
		REFERENCES:	610 863 1136
KOL3		KOLKHOZNYI 7	
		REFERENCES:	624 882 1037
KOL		KOLUMBA	
		REFERENCES:	120 813
KOM6		KOMAJNER	
		REFERENCES:	877
KOM1	*	KOMBAINER	
		REFERENCES:	709 731 732 736 810 836 979 1036 1082 1086 1089
KOM3	*	KOMBAR	
		REFERENCES:	364 741
KOM4	*	KOMBYNE	
		REFERENCES:	364 686 742
KOM		KOME HADAKA	
		REFERENCES:	670 690 1049
KOM5		KOMPOLTI HANA	
		REFERENCES:	686
KOM2		KOMPOLTI KORAI	
		REFERENCES:	364 606 607
KOM7		KOMPOLTI 2	
		REFERENCES:	1110
KON		KONGMAI 4	
		REFERENCES:	628
KON2		KONIA	
		REFERENCES:	877
KON4	*	KONOSU 1	
		REFERENCES:	761 1049
KON6	*	KONOSU 10	
		REFERENCES:	1049
KON7	*	KONOSU 12	
		REFERENCES:	1049
KON8	*	KONOSU 14	
		REFERENCES:	1049
KON9	*	KONOSU 17	
		REFERENCES:	1049
KONA	*	KONOSU 19	
		REFERENCES:	1049
KONB	*	KONOSU 22	
		REFERENCES:	1049
KONO		KONOSU 23	
		REFERENCES:	1049
KONC	*	KONOSU 25	
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KON1		KONOSU 30	
		REFERENCES:	717

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KOND		KONOSU 32 REFERENCES: 1049
KONN		KONOSU 4 REFERENCES: 1049
KONE	*	KONOSU 50 REFERENCES: 1049
KONF	*	KONOSU 51 REFERENCES: 1049
KONG	*	KONOSU 53 REFERENCES: 1049
KONH	*	KONOSU 54 REFERENCES: 1049
KON3		KONOSU 55 REFERENCES: 1049
KONI	*	KONOSU 57 REFERENCES: 1049
KONJ	*	KONOSU 58 REFERENCES: 1049
KONK	*	KONOSU 59 REFERENCES: 1049
KON5	*	KONOSU 6 REFERENCES: 1049
KONL	*	KONOSU 60 REFERENCES: 1049
KONM	*	KONOSU 62 REFERENCES: 1049
KOP		KOPECK REFERENCES: 469
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KOR5		KORAN REFERENCES: 544 783 866
KOR2		KORMOVOI REFERENCES: 1090
KOR7	*	KORMOVOI 129 REFERENCES: 886
KOR6		KORN 926 REFERENCES: 102
KOR3		KOROL REFERENCES: 364 686 859 1084
KOR		KORONA REFERENCES: 53 628 809 1009 1135 1152
KOR1		KORSBYG REFERENCES: 379 469
KOR4	*	KORU REFERENCES: 190 192 236 364 426 427 453 663
KOS		KOSABA REFERENCES: 636 690
KOS8		KOSHIMAKI REFERENCES: 1049
KOS5		KOSMOS REFERENCES: 813 1010
KOS4		KOSO REFERENCES: 866
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KOS7		KOSTEK REFERENCES: 646
KOS1		KOSTEK 2 REFERENCES: 1082
KOS6		KOSTLINS PROBSTEIR REFERENCES: 686
KOS2		KOSTROMA REFERENCES: 469 1015
KOU		KOU A SEE ALSO: KOA REFERENCES: 505 1012
KOU1		KOUBAI SYNONYMS: KAG1(9999) KOB (1192) REFERENCES: 1192
KOY		KOYALHISATR REFERENCES: 232
KOY1	*	KOYO REFERENCES: 658

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KOZ		KOZAN
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KQO		KQOE
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KR4	*	KR. 499-71
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KRAF		KRAAI L200
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KRAG		KRAAI L435
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KRAH		KRAAI L747
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KRAI		KRAAI L843
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KRA1		KRAFTS RIED
		REFERENCES: 102 906
KRA9	*	KRASNODARSKII
		REFERENCES: 988 1112
KRAM	*	KRASNODARSKII 10/75
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KRAL	*	KRASNODARSKII 121
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KRAC		KRASNODARSKII 128
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KRAA		KRASNODARSKII 129
		REFERENCES: 988
KRAB		KRASNODARSKII 16
		REFERENCES: 689 988
KRAJ		KRASNODARSKII 1693
		REFERENCES: 98 359
KRA4		KRASNODARSKII 1918
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KRA7		KRASNODARSKII 1920
		REFERENCES: 98 360 980
KRAD		KRASNODARSKII 206
		REFERENCES: 688
KRA3	*	KRASNODARSKII 2929
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KRA5	*	KRASNODARSKII 35
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KRAN		KRASNODARSKII 35 (CM)
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KRAE		KRASNODARSKII 484
		REFERENCES: 688
KRAP		KRASNODARSKII 515/5
		REFERENCES: 689
KRAK		KRASNODARSKII 54
		REFERENCES: 359
KRAO	*	KRASNOUFIMSKII 95
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KRA		KRASNOYARSK
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KRA8		KRASNYI DAR 2494
		REFERENCES: 980
KRI5		KRIJEVI
		REFERENCES: 877
KRI1		KRIM
		REFERENCES: 43 663 695
KRI4		KRIM MESNI
		REFERENCES: 98 360
KRI3		KRISTAL
		REFERENCES: 686
KRI	*	KRISTINA
		SYNONYMS: SVB2(663)
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KRI2		KRIVENER 2 REFERENCES: 1089 1090
KRO1		KROGSTADT REFERENCES: 469
KRO	*	KRON SYNONYMS: PAJ (405) REFERENCES: 43 168 308 332 382 405 686 1077 1082
KRO3		KROON REFERENCES: 866
KRO2		KROPH REFERENCES: 503
KRU2		KRUGLIK 188/49 REFERENCES: 686
KRU		KRUGLIK 21 SEE ALSO: USS REFERENCES: 34 395 559 987 990 1028 1037 1082 1090
KRU4		KRUGLIK 31 REFERENCES: 877
KRU1		KRUGUE 21 REFERENCES: 50
KRU3		KRUKANICKY HORSKY REFERENCES: 686
KRY		KRYMSKII 17 REFERENCES: 390 667 686 687 1084 1088
KRY1		KRYMSKII 301 REFERENCES: 390 687 1088
KRY2	*	KRYMSKII 65 REFERENCES: 667
KRY3	*	KRYSTAL REFERENCES: 1128
KUB	*	KUBANETS REFERENCES: 83 390 686 731 834 980 1082 1083
KUB1		KUBANSKII 27 REFERENCES: 736
KUI		KUI-TSU-AN REFERENCES: 882
KUJ		KUJAWIAK REFERENCES: 252 646
KUJ1		KUJAWSKI REFERENCES: 75
KUK		KUKUCK REFERENCES: 663
KUL		KULISCH REFERENCES: 469 906
KUL2		KULTA SEE ALSO: GUL REFERENCES: 730 841
KUL1		KULU SYNONYMS: KUM (469) REFERENCES: 783
KUM3		KUMASHIMA REFERENCES: 635
KUM4		KUMATORI 2 REFERENCES: 630
KUM5		KUMBI REFERENCES: 877
KUM		KUMMA KULLA SEE ALSO: KUL1 REFERENCES: 469
KUM1		KUMOGATASIRAZU REFERENCES: 483
KUM2		KUMOI REFERENCES: 617
KUN1		KUNGS REFERENCES: 513 514
KUN		KUNSHAN REFERENCES: 866
KUR3		KURA REFERENCES: 315
KUR2		KURAIWANTSU REBEN REFERENCES: 617
KUR1		KURDIYA REFERENCES: 986

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KUR		KUROMUGI 148
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KUR5	*	KUROSHIO HADAKA
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KUR4		KURPHAK
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KUS1		KUSHNAT
		REFERENCES: 877
KUS4		KUSHTEKI
		REFERENCES: 275
KUS2		KUSTANG
		REFERENCES: 877
KUT		KUTAIS
		REFERENCES: 469 1015
KVA		KVASICKY
		REFERENCES: 686
KVL1		KVL 191
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KVL		KVL 468
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KWA		KWAN
		REFERENCES: 134 285 527 599 609 722 783 784 937
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KWA8		KWANCHIJEON 2
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KWA7		KWANCHOI
		REFERENCES: 628
KWA3		KWANCHOIGI
		REFERENCES: 628
KWA5		KWANDONGPI 3
		REFERENCES: 628
KWA9		KWANDONGPI 43
		REFERENCES: 628
KWAA		KWANGKYE 1
		REFERENCES: 630
KWAB		KWANGKYE 2
		REFERENCES: 630
KWA4		KWANGSEONG
		REFERENCES: 628
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		SYNONYMS: KWA1(469)
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KWA1		KWASSITZER HANNA
		SEE ALSO: KWA2
		REFERENCES: 252
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KYO4		KYOBAI 12
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KYO1		KYOBAI 16
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KYO7		KYOBAI 19
		REFERENCES: 628
KYOC		KYOBAI 20
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KYO2		KYOBAI 32
		REFERENCES: 628
KYOB		KYOBAI 33
		REFERENCES: 628
KYOJ		KYOBAI 34
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KYOK		KYOBAI 35
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KYO3		KYONG 1
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KYO		KYONG 2
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KYO6		KYONG 20	
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KYOD		KYONG 23	
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KYO9		KYONG 28	
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KYO8		KYONG 3	
		REFERENCES:	628
KYOF		KYONG 30	
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KYOL		KYONG 39	
		REFERENCES:	463
KYOG		KYONG 44	
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KYOH		KYONG 45	
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KYO1		KYONG 6	
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KYOO		KYOSHINKAI	
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KYOP		KYOSHINKAI 2	
		REFERENCES:	1049
KYOQ	*	KYOTO BAITORI 1	
		REFERENCES:	1049
KYOR	*	KYOTO KOKUBI 1	
		REFERENCES:	1049
KYON	*	KYOTO NAKATE	
		REFERENCES:	544 1049
KYOS	*	KYOTO OKUTE	
		REFERENCES:	1049
KYOT	*	KYOTO WASE GOLD 1	
		REFERENCES:	1049
KYOU	*	KYOTO YANE HADAKA 1	
		REFERENCES:	1049
KYU1		KYUKEI 1006	
		REFERENCES:	635
KYU2		KYUKEI 1009	
		REFERENCES:	635
KYU		KYUNGNAMDAEMACK 7	
		REFERENCES:	628
KYU3		KYUSHOBO	
		REFERENCES:	1049
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		REFERENCES:	1049
KYU5		KYUSHU	
		REFERENCES:	1049
KYU7	*	KYUSHU HADAKA 3	
		REFERENCES:	1049
KYU6	*	KYUSHU 19	
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K18		K18	
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K25		K251	
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K57F		K572-1-64/8	
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K57B		K572/10	
		REFERENCES:	233 775 983
K57C		K572/11	
		REFERENCES:	775 995
K57D		K572/13	
		REFERENCES:	775 995
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K57		K572/6	
		REFERENCES:	775

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K71       K71
            REFERENCES:     68  775 1054
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            SEE ALSO:  KIN
            REFERENCES:    479  681 1170
LBW1  *   L B W 1710/12
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L         L 1000
            REFERENCES:    405
L115      L 1150
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L56       L 56
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L92   *   L 92
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L94   *   L 94
            REFERENCES:    663  804  845
L98   *   L 98
            REFERENCES:    663  804
L99   *   L 99
            REFERENCES:    846
LBW       L.B.W. 335
            REFERENCES:    178  574
LAA1      LA ALMUNIA
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                       ALM8(9999) ALM9(9999)
            REFERENCES:    608  877
LAE       LA ESTANZUELA
            SYNONYMS:  EST2(9999)
            REFERENCES:    100  356  403  405  408  487  576  608  845  847  998
LAM       LA MESITA
            REFERENCES:     21  236  252  594  877 1172
LAM4      LA MUELA
            REFERENCES:    877
LAP4  *   LA PLATA CAFPTA F.A.
            REFERENCES:     38
LAP6      LA PLATTA
            REFERENCES:     78  686
LAP8      LA PLATTA 2
            REFERENCES:    686
LAP3  *   LA PREVISION 19
            REFERENCES:     93  155  252  618  662  686  997 1088
LAR2      LA ROCHE
            REFERENCES:   1138
LAV1      LA VENTOSA
            REFERENCES:    877
LAA       LAA
            REFERENCES:    608 1092
LAC       LACOMBE
            REFERENCES:    252
LAD   *   LADA
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LAF       LAFITE
            REFERENCES:    252  783
LAG       LAGIEWNICKI
            REFERENCES:    877
LAG1  *   LAGO
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LAH       LAHOUL
            REFERENCES:    469
LAI       LAIYA
            REFERENCES:   1189
LAK       LAKELAND
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LAL       LALIBELLA
            REFERENCES:    363
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LAM3		LAMI SEJET
		REFERENCES: 364
LANX		LAN-CHZOU-DA-MAI
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LAO2		LANDRACE
		REFERENCES: 168
LAOL		LANDRACE AFRICA
		REFERENCES: 663
LND		LANDRACE SAAR
		REFERENCES: 405
LAOE		LANDRACE-ARDENNES (FRANCE)
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LANA		LANDRACE-ASIA MINOR
		REFERENCES: 43
LANV		LANDRACE-BAVARIA
		REFERENCES: 1082
LAN6		LANDRACE-BOHEMIA
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LAN7		LANDRACE-CENTRAL EUROPE
		REFERENCES: 43 102
LAO9		LANDRACE-CENTRAL EUROPE
		REFERENCES: 576
LAN2		LANDRACE-CENTRAL FINLAND
		REFERENCES: 479 1170
LAOM		LANDRACE-DUTCH
		REFERENCES: 663
LAN3		LANDRACE-FINLAND
		REFERENCES: 43 638 1082
LAN8		LANDRACE-FRANCE
		REFERENCES: 43 1082
LANY		LANDRACE-FRANCE
		REFERENCES: 777
LAOJ		LANDRACE-FRANCE (KWASSITZ)
		REFERENCES: 663
LAOI		LANDRACE-GERMANY
		REFERENCES: 663
LAO5		LANDRACE-GERMANY
		REFERENCES: 743
LAOK		LANDRACE-GERMANY
		REFERENCES: 663
LAOC		LANDRACE-ISLE OF RE
		REFERENCES: 576
LAND		LANDRACE-JAPAN
		REFERENCES: 653
LANK		LANDRACE-JAPAN
		REFERENCES: 653
LANR		LANDRACE-JAPAN
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LANP		LANDRACE-KOREA
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LANQ		LANDRACE-KOREA
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LANG		LANDRACE-KOREA
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LANI		LANDRACE-KOREA
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LANJ		LANDRACE-KOREA
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LANL		LANDRACE-KOREA
		REFERENCES: 653

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LANN		LANDRACE-KOREA REFERENCES: 240 653
LANO		LANDRACE-KOREA REFERENCES: 653
LAOA		LANDRACE-LAPONIA REFERENCES: 576
LAOD		LANDRACE-LOIRE (FRANCE) REFERENCES: 576
LAN5		LANDRACE-LOWER BAVARIA REFERENCES: 43 1082
LAN1		LANDRACE-LOWER EGYPT REFERENCES: 1170
LAN4		LANDRACE-MANCHURIA REFERENCES: 43 638 639 1082
LAOF		LANDRACE-MARKISCHER REFERENCES: 663
LAO4		LANDRACE-MORAVIA REFERENCES: 743
LAN9		LANDRACE-NIEDERBAYER REFERENCES: 43 1082
LAN		LANDRACE-NORTH AFRICA REFERENCES: 1170
LANU		LANDRACE-NORTH AFRICA REFERENCES: 1082
LANT		LANDRACE-NORTHERN USSR REFERENCES: 1082
LANS		LANDRACE-NORTHERN USSR REFERENCES: 1082 1189
LANZ		LANDRACE-POLAND REFERENCES: 75
LAOH		LANDRACE-SPAIN REFERENCES: 663
LAO3		LANDRACE-SWEDEN REFERENCES: 301
LAO7		LANDRACE-TYROLIA REFERENCES: 743
LAO8		LANDRACE-TYROLIA REFERENCES: 743
LAO6		LANDRACE-TYROLIA REFERENCES: 743
LAO		LANDRACE-USSR REFERENCES: 166
LAO1		LANDRACE-USSR REFERENCES: 166
LNDF		LANDRACE-WETTERAU REFERENCES: 663
LAOB		LANDRACE-WHIR EN PLAIN (FRANCE) REFERENCES: 576
LAOG		LANDRACG-SPAIN REFERENCES: 663
LANW		LANIGER REFERENCES: 469
LANB		LANSDALE REFERENCES: 252 783 1121
LAP		LAPINOHRA SEE ALSO: LAP5 REFERENCES: 841 1106
LAP1		LAPINOHRA 2 SEE ALSO: LAP7 REFERENCES: 841 1106
LAP2		LAPLAND REFERENCES: 3 27 252
LAP5	*	LAPPI SYNONYMS: LAP (639) REFERENCES: 66 639 791 998
LAP7	*	LAPPI 2 SYNONYMS: LAP1(639) REFERENCES: 639 791
LAR6	*	LARA REFERENCES: 608 663 912 1012 1148
LAR3		LARGAS DE CIUDAD REAL REFERENCES: 1138

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LAR5	*	LARGAS DE SANTAGUDA 1	
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LAR4		LARGAS DE SANTAGUDA 2	
		REFERENCES:	1138
LAR1		LARGE SKINNED	
		REFERENCES:	984
LAR7	*	LARIOUT	
		REFERENCES:	504
LAR	*	LARKER	
		REFERENCES:	61 118 119 152 252 283 350 351 352 403 682 686 728 773 803 824 825 853 854 855 856 857 885 900 901 902 904 1082
LAS1	*	LAS ALMUNIAS 1	
		REFERENCES:	1138
LAS2	*	LAS ALMUNIAS 2	
		REFERENCES:	1138
LAS3		LAS PEDROSAS	
		REFERENCES:	877
LAS		LASCHK TIB.	
		REFERENCES:	460 1082
LAT		LATACUNGA	
		REFERENCES:	252
LAT1		LATCHTALER	
		REFERENCES:	232
LAT3		LATERNE	
		REFERENCES:	757
LAT2		LATIFIYAH	
		REFERENCES:	154
LAU3		LAUDA	
		SYNONYMS:	HEJ2(663)
		REFERENCES:	663 1077
LAU1	*	LAUFEN	
		REFERENCES:	7 364
LAU2	*	LAURA	
		REFERENCES:	363 576 608
LAU	*	LAURIER	
		REFERENCES:	193 196 226 325 326 364 641 643 1178
LAV		LAVA UNIVERSAL	
		REFERENCES:	1037
LAW	*	LAWTON	
		REFERENCES:	405
LAZ1		LAZAGURRIA	
		REFERENCES:	877
LAZ		LAZANY 5	
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LEP1		LE PUY NO 1	
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LEP2		LE PUY NO 2	
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		REFERENCES:	102
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LEPA		LE PUY NO10	
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LEPB		LE PUY NO11	
		REFERENCES:	102
LEPC		LE PUY NO12	
		REFERENCES:	102
LEA		LEADER	
		REFERENCES:	469 663
LEB		LEBEDINAYA SHEYA	
		REFERENCES:	1194

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LEC1		LECCE	
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LEC		LECHTALER	
		REFERENCES:	252 403 556 686 847 937 939 940
LED		LEDECI BETA	
		REFERENCES:	252 809 1082 1173
LED1		LEDECI 2	
		REFERENCES:	34
LEG1	*	LEGER	
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LEG	*	LEGIA	
		REFERENCES:	86 145 363 377 608 663 686 737 777 1084
LEH		LEH	
		REFERENCES:	285
LEH2		LEHEDNAYA SHEYA	
		REFERENCES:	1189
LEH1		LEHOR	
		REFERENCES:	722
LEI1		LEIORRHYNCHUM	
		REFERENCES:	504
LEI	*	LEITH	
		REFERENCES:	405
LEN1		LENDANYIA	
		REFERENCES:	986
LEN3		LENINAKANSKIJ 213	
		REFERENCES:	60
LEN2		LENINAKANSKIJ 6151	
		REFERENCES:	686
LEN	*	LENTA	
		REFERENCES:	44 63 138 168 220 301 379 462 464 582 618 807 836 913 976 1012 1014 1082 1090
LEO	*	LEON	
		REFERENCES:	284 364 560 574 608 809 846
LEO1		LEONESSA	
		REFERENCES:	877
LER		LERCHENBORG	
		REFERENCES:	917
LES	*	LESLIE	
		REFERENCES:	469
LES1		LESOSTEPHOI	
		REFERENCES:	389
LET		LETHAL COAST 1	
		REFERENCES:	252
LET1		LETHAL COLSESS 1	
		REFERENCES:	252
LET2		LETHAL SMYRNA 1	
		REFERENCES:	252
LET3		LETHAL TREBI 1	
		REFERENCES:	252
LIB	*	LIBERTY	
		REFERENCES:	51 118 207 252 433 435 476 647 648 669 884 1170
LIB3	*	LIBRA	
		REFERENCES:	405
LIB2		LIBYA 2	
		REFERENCES:	299
LIB1		LIBYA 4	
		REFERENCES:	299
LIC2		LICHSTI'S ASTRA	
		SYNONYMS:	AST3(663)
		REFERENCES:	23 45 846 1082
LIC3	*	LICHSTI'S DN	
		REFERENCES:	45 410 663 686 1037 1082
LIC6		LICHTIS GERDA	
		REFERENCES:	836
LIC5		LICHTIS MAIA	
		REFERENCES:	686
LIC4		LICHTIS NEUZUCHT	
		REFERENCES:	102
LIC	*	LICO	
		REFERENCES:	493 608 783 864 933 1154 1163 1170
LIC1	*	LICO 3	
		REFERENCES:	1170

CODE		FULL NAME	
LID	*	LIDAL	
		REFERENCES:	49 663 1057 1058
LIE	*	LIECHTENSTEIN	
		REFERENCES:	43 45 686 1082
LIG	*	LIGNE 179 DE COLMAR	
		REFERENCES:	576
LIH		LIHOR	
		REFERENCES:	285
LIL1		LILA	
		REFERENCES:	686
LIL		LILLY	
		REFERENCES:	145 535 686
LIM		LIMA MONTEIRO	
		REFERENCES:	78 608 809 880
LIM1		LIMERICK	
		REFERENCES:	721
LIN		LINCOLN	
		SYNONYMS:	IRI2(663)
		REFERENCES:	252 663 809
LIN1		LINDA	
		SEE ALSO:	INI
		REFERENCES:	809 1173
LIN2	*	LINNEA	
		REFERENCES:	846 1176
LIO		LION	
		SYNONYMS:	BLA1(479)
		REFERENCES:	1 5 24 76 166 199 206 207 212 232 242 251 262 282 347 401 415 436 464 469 471 473 474 476 479 488 489 490 491 493 498 538 582 608 653 668 669 686 721 755 775 783 892 996 1012 1015 1024 1032 1038 1056 1082 1084 1144 1154 1170 1185 1186
LIO1		LIONESS	
		REFERENCES:	24 608
LIS	*	LISA	
		REFERENCES:	145 363 608 686 882 1014 1034 1082 1089
LIS1	*	LISE	
		REFERENCES:	236 364 443 460 608 663 686
LIT		LITTLE BEN	
		REFERENCES:	232 252 379 783
LIZ		LIZVER	
		REFERENCES:	130 709
LLA		LLAGOSTERA	
		REFERENCES:	877
LLO		LLORACH	
		REFERENCES:	877
LND9		LOCAL CVAR (AUSTRALIA)	
		REFERENCES:	846
LNDA		LOCAL CVAR (BULGARIA)	
		REFERENCES:	1082
LND5		LOCAL CVAR (CHINA)	
		REFERENCES:	639 987
LNDG		LOCAL CVAR (FRANCE)	
		REFERENCES:	663
LOCS		LOCAL CVAR (FRANCE) LOIRE VALLEY	
		REFERENCES:	576 1082
LOC4		LOCAL CVAR (GOTLAND) SWEDEN	
		REFERENCES:	43 531
LNCB		LOCAL CVAR (INDIA)	
		REFERENCES:	102
LND8		LOCAL CVAR (ITALY)	
		REFERENCES:	1013
LOC2		LOCAL CVAR (TURKEY)	
		REFERENCES:	199 479 1169 1170
LO1G		LOCAL CVAR (USSR) KRASNODAR	
		REFERENCES:	1083
LO1F		LOCAL CVAR (USSR) STAVGOROD	
		REFERENCES:	1073
LOCL		LOCAL CVAR (ZEALAND) NETHERLANDS	
		REFERENCES:	405 663 1082
LNDE		LOCAL CVAR ALGERIA	
		REFERENCES:	663
LOC3		LOCAL CVAR ASIA MINOR	
		REFERENCES:	1170

CODE	FULL NAME
LOCF	LOCAL CVAR AUSTRIA REFERENCES: 1082
LOCG	LOCAL CVAR AUSTRIA REFERENCES: 1082
LNC5	LOCAL CVAR BOURGOGNE (FRANCE) REFERENCES: 102 576
LOCJ	LOCAL CVAR BULGARIA REFERENCES: 1082
LOCH	LOCAL CVAR BULGARIA REFERENCES: 1082
LOCI	LOCAL CVAR BULGARIA REFERENCES: 1082
LNC1	LOCAL CVAR CASTELNAUDARY REFERENCES: 102
LNC8	LOCAL CVAR CASTELNAUDARY (FRANCE) REFERENCES: 102 576
LNC6	LOCAL CVAR CASTELNAUDARY (FRANCE) REFERENCES: 102 576
LOCE	LOCAL CVAR CAUCASUS REFERENCES: 1082
LOCD	LOCAL CVAR CAUCASUS REFERENCES: 1082 1138
LNC1	LOCAL CVAR CHAMPAGNE (FRANCE) REFERENCES: 102
LOIC	LOCAL CVAR DLUZEW (POLAND) REFERENCES: 656
LOEV	LOCAL CVAR FANLO (SPAIN) REFERENCES: 1138
LNCR	LOCAL CVAR FINISTERE (FRANCE) REFERENCES: 102
LND4	LOCAL CVAR FINLAND REFERENCES: 443 639
LNCZ	LOCAL CVAR FINLAND REFERENCES: 405 639
LND6	LOCAL CVAR FINLAND REFERENCES: 639 886
LNCY	LOCAL CVAR FINLAND REFERENCES: 405 639
LND1	LOCAL CVAR FINLAND REFERENCES: 443 639
LND2	LOCAL CVAR FINLAND REFERENCES: 443 639
LND3	LOCAL CVAR FINLAND REFERENCES: 639
LNCT	LOCAL CVAR FRANCE REFERENCES: 102
LOCR	LOCAL CVAR FRANCE (BOURGOGNE) REFERENCES: 102 1082
LNDD	LOCAL CVAR FRANKONIE REFERENCES: 663
LNCU	LOCAL CVAR FRIEDRICHSWERTHER (FRANCE REFERENCES: 102
LOC1	LOCAL CVAR FROM SZECHWAN PROVINCE CH REFERENCES: 200 566 1170
LNCQ	LOCAL CVAR GATINAIS (FRANCE) REFERENCES: 102
LNCO	LOCAL CVAR GATINAIS (FRANCE) REFERENCES: 102 576
LNCL	LOCAL CVAR GERTWILLER (FRANCE) REFERENCES: 102
LOC	LOCAL CVAR GROUP FROM BALKANS-CAUCAS REFERENCES: 1170
LNCW	LOCAL CVAR HOLLAND REFERENCES: 102
LOEC	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOED	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOEF	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOEK	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOEL	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138

CODE	FULL NAME
LOEM	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOEN	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOEO	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOEP	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOEQ	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOET	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOEU	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LODC	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOE3	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOE4	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOE5	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOE6	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOE7	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOE8	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOE9	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOFO	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOFW	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOFX	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOFY	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOFZ	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGK	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGL	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGQ	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGR	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGT	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGU	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGV	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGW	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGX	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGY	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOGZ	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOHA	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOHB	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LODD	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LODG	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LODH	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LODI	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138

CODE	FULL NAME
LODJ	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LODK	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LODL	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LODM	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOEA	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOEB	LOCAL CVAR HUESCA (SPAIN) REFERENCES: 1138
LOCK	LOCAL CVAR HUNGARY REFERENCES: 1082
LOFB	LOCAL CVAR IGLESUELA DEL CID (SPAIN) REFERENCES: 1138
LNCV	LOCAL CVAR ILE DE RE (FRANCE) REFERENCES: 102
LNCH	LOCAL CVAR INDIA REFERENCES: 102
LNCJ	LOCAL CVAR INDIA REFERENCES: 102
LNCK	LOCAL CVAR INDIA REFERENCES: 102
LOIL	LOCAL CVAR ISRAEL REFERENCES: 37
LOIM	LOCAL CVAR ISRAEL REFERENCES: 37
LOIK	LOCAL CVAR ISRAEL REFERENCES: 37
LNC3	LOCAL CVAR ISSOUDUN (FRANCE) REFERENCES: 102 576
LNCD	LOCAL CVAR JEBSHEIM (FRANCE) REFERENCES: 102
LOID	LOCAL CVAR KARAGANDA (USSR) REFERENCES: 276 1034
LNCG	LOCAL CVAR LAMPERTHEIM (FRANCE) REFERENCES: 102
LOCC	LOCAL CVAR LATVIAN SSR REFERENCES: 1082
LNDB	LOCAL CVAR LOIRE (FRANCE) REFERENCES: 663
LNC	LOCAL CVAR MOULINS (FRANCE) REFERENCES: 102
LOCM	LOCAL CVAR NORWAY REFERENCES: 1082
LNCF	LOCAL CVAR OBERENTZEN (FRANCE) REFERENCES: 102
LNCN	LOCAL CVAR OBERENTZEN (FRANCE) REFERENCES: 102
LOCN	LOCAL CVAR POLAND REFERENCES: 75 1082
LOIB	LOCAL CVAR POLAND REFERENCES: 656
LOIE	LOCAL CVAR PRIMORYE (USSR) REFERENCES: 276 1034 1085
LNCP	LOCAL CVAR PUY (FRANCE) REFERENCES: 102 576
LOCO	LOCAL CVAR ROUMANIA REFERENCES: 1082
LOCP	LOCAL CVAR ROUMANIA REFERENCES: 1082
LOCQ	LOCAL CVAR ROUMANIA REFERENCES: 1082
LOCB	LOCAL CVAR RUSSIA REFERENCES: 1082 1189
LOEE	LOCAL CVAR SARAGOSSA REFERENCES: 1138
LOGC	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOGD	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOGE	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138

CODE	FULL NAME
LOGF	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOGG	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODQ	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODR	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOE1	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOE2	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOGS	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODS	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOEG	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOEH	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODT	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODW	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODX	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODY	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODZ	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOFC	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHC	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHD	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHE	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHF	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHG	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHH	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHI	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHN	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHO	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHP	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHQ	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHR	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHS	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHT	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHU	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHW	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHX	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHY	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOHZ	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOIA	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOFD	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138

CODE	FULL NAME
LOFG	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOFH	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOFI	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODN	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOFR	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOFS	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOFT	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOFU	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOFV	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODO	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOER	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOES	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LODP	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOGA	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LOGB	LOCAL CVAR SARAGOSSA (SPAIN) REFERENCES: 1138
LNC2	LOCAL CVAR SAUMUR (FRANCE) REFERENCES: 102 576
LOC5	LOCAL CVAR SCANDANAVIA REFERENCES: 43 47 809
LOC6	LOCAL CVAR SCANDINAVIA REFERENCES: 461
LOD4	LOCAL CVAR SPAIN REFERENCES: 1138
LOD5	LOCAL CVAR SPAIN REFERENCES: 1138
LOD6	LOCAL CVAR SPAIN REFERENCES: 1138
LOD7	LOCAL CVAR SPAIN REFERENCES: 1138
LOD8	LOCAL CVAR SPAIN REFERENCES: 1138
LOD9	LOCAL CVAR SPAIN REFERENCES: 1138
LOCW	LOCAL CVAR SPAIN REFERENCES: 1138
LOCX	LOCAL CVAR SPAIN REFERENCES: 1138
LOCY	LOCAL CVAR SPAIN REFERENCES: 1138
LOCZ	LOCAL CVAR SPAIN REFERENCES: 1138
LOD	LOCAL CVAR SPAIN REFERENCES: 1138
LODA	LOCAL CVAR SPAIN REFERENCES: 1138
LODB	LOCAL CVAR SPAIN REFERENCES: 1138
LOCU	LOCAL CVAR SPAIN REFERENCES: 1138
LOCV	LOCAL CVAR SPAIN REFERENCES: 1138
LOD1	LOCAL CVAR SPAIN REFERENCES: 1138
LOD2	LOCAL CVAR SPAIN REFERENCES: 1138
LOD3	LOCAL CVAR SPAIN REFERENCES: 1138
LNCC	LOCAL CVAR STOTZHEIM (FRANCE) REFERENCES: 102

CODE	FULL NAME
LNCN	LOCAL CVAR STOTZHEIM (FRANCE)
	REFERENCES: 102
LOC9	LOCAL CVAR SWEDEN
	REFERENCES: 461
LNCS	LOCAL CVAR SWEDEN
	REFERENCES: 102
LOCA	LOCAL CVAR SWEDEN
	REFERENCES: 166 461
LOC7	LOCAL CVAR SWEDEN
	REFERENCES: 1082
LOC8	LOCAL CVAR SWEDEN
	REFERENCES: 461
LOEW	LOCAL CVAR TERUEL
	REFERENCES: 1138
LOEX	LOCAL CVAR TERUEL
	REFERENCES: 1138
LODV	LOCAL CVAR TERUEL
	REFERENCES: 1138
LODU	LOCAL CVAR TERUEL
	REFERENCES: 1138
LODF	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOHV	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOFJ	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOFK	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOFL	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOFM	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOFA	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOFP	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOFQ	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LODE	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOGH	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOGI	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOGJ	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOEY	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOEZ	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOGM	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOGN	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOGO	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOGP	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOFE	LOCAL CVAR TERUEL (SPAIN)
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LOFF	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOEI	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOEJ	LOCAL CVAR TERUEL (SPAIN)
	REFERENCES: 1138
LOHL	LOCAL CVAR TORRELABAD Y EL SOLER (SP
	REFERENCES: 1138
LOHM	LOCAL CVAR TORRELABAD Y EL SOLER (SP
	REFERENCES: 1138
LOHJ	LOCAL CVAR TORRELABAD Y EL SOLER (SP
	REFERENCES: 1138
LOHK	LOCAL CVAR TORRELABAD Y EL SOLER (SP
	REFERENCES: 1138

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CODE          FULL NAME

LND7      LOCAL CVAR TURKEY
            REFERENCES:  1112
LOIH      LOCAL CVAR UZBEK SSR
            REFERENCES:   166  298 1083
LNDC      LOCAL CVAR VENDEE (BELGIUM)
            REFERENCES:   663
LNCA      LOCAL CVAR VITRY LE FRANCOISE (FRANC
            REFERENCES:   102
LNC9      LOCAL CVAR VITRY LE FRANCOISE (FRANC
            REFERENCES:   102
LNC4      LOCAL CVAR VITRY LE FRANCOISE (FRANC
            REFERENCES:   102  576
LNC7      LOCAL CVAR VITRY LE FRANCOISE (FRANC
            REFERENCES:   102  576
LNCE      LOCAL CVAR WHIR-EN-PLAINE (FRANCE)
            REFERENCES:   102
LOIP      LOCAL CVAR(ASSR)
            REFERENCES:   298
LOJ3      LOCAL CVAR(CENTRAL ASIA)
            REFERENCES:  1189
LOJ2      LOCAL CVAR(CRIMEA)ASSR
            REFERENCES:  1189
LOJ9      LOCAL CVAR(CRIMEA)USSR
            REFERENCES:  1189
LOIV      LOCAL CVAR(CZECHSLOVAKIA)
            REFERENCES:   687
LOIY      LOCAL CVAR(DNEPROPETROVSK)USSR
            REFERENCES:  1189
LOJB      LOCAL CVAR(GADZHINSKII)USSR
            REFERENCES:  1189
LOJ6      LOCAL CVAR(GANDZHINSKII)USSR
            REFERENCES:  1189
LOJ8      LOCAL CVAR(KAZAKH)USSR
            REFERENCES:  1189
LOIZ      LOCAL CVAR(KRUGLIK)USSR
            REFERENCES:  1189
LOJ5      LOCAL CVAR(KUBAN)USSR
            REFERENCES:  1189
LOJA      LOCAL CVAR(LENKORANI)USSR
            REFERENCES:  1189
LOJ7      LOCAL CVAR(NAKHICHEVAN)USSR
            REFERENCES:  1189
LOJ       LOCAL CVAR(ODESSA)USSR
            REFERENCES:  1189
LOJ4      LOCAL CVAR(ODESSA)USSR
            REFERENCES:  1189
LOIX      LOCAL CVAR(SARATOV)USSR
            REFERENCES:  1189
LOIR      LOCAL CVAR(USSR)
            REFERENCES:   390
LOIT      LOCAL CVAR(USSR)
            REFERENCES:   652
LOIO      LOCAL CVAR(USSR)
            REFERENCES:   298
LOIQ      LOCAL CVAR(USSR)
            REFERENCES:   298
LOIU      LOCAL CVAR(USSR)CRIMEA
            REFERENCES:   667
LOIS      LOCAL CVAR(USSR)KACAKHSTAN
            REFERENCES:   652
LOJ1      LOCAL CVAR(VERKHNYACHKI)USSR
            REFERENCES:  1189
LOIW      LOCAL CVAR(VYATSK)USSR
            REFERENCES:  1189
LOCT      LOCAL CVAR-HUNGARY
            REFERENCES:    42
LOIN      LOCHINK
            REFERENCES:   783  866
LOIJ      LOCRIDE
            REFERENCES:   721
LOE   *   LOERIE
            REFERENCES:  1011
LOL1      LOFA
            REFERENCES:    28
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CODE		FULL NAME
LOF	*	LOFA ABED REFERENCES: 120 180 187 188 189 190 191 192 311 335 338 364 405 412 487 575 593 696 715 735 805 809 846 1077 1139 1140 1143
LOG	*	LOGAN REFERENCES: 469
LOG1	*	LOGRA REFERENCES: 663
LOH		LOHNAUER C REFERENCES: 906
LOH1		LOHNAUER IMPERIAL REFERENCES: 428 906
LOK		LOKUS REFERENCES: 1104
LOL	*	LOLA REFERENCES: 608 686 809 846 1174 1175 1178
LOL2		LOLA 35 REFERENCES: 145
LOM		LOMPOC REFERENCES: 626
LON3		LONE SYNONYMS: PAJ4(9999) REFERENCES: 190 576 686 1077
LON2		LONG EARED NOTTINGHAM REFERENCES: 89
LON		LONG GLUMES REFERENCES: 252 363 378 379 686 783 784 786 1084
LON4		LONG JOHN GRANT REFERENCES: 275
LON5		LONG RACHIS INTERNODE REFERENCES: 934
LON1		LONHI REFERENCES: 75
LOO		LOOSDORFER REFERENCES: 252
LOO2		LOOSDORFER BRILLIANT REFERENCES: 895
LOO3		LOOSDORFER EARLY REFERENCES: 895
LOO4		LOOSDORFER FRUHE ZAYA SEE ALSO: LOO1
LOO5		LOOSDORFER GABI REFERENCES: 686
LOO6		LOOSDORFER LLA REFERENCES: 686
LOO1	*	LOOSDORFER ZAYA SYNONYMS: LOO4(9999) REFERENCES: 45 102 663 743
LOR		LORCA REFERENCES: 1138
LOR1	*	LORNA REFERENCES: 365 405 608 757
LOS	*	LOS OLMOS DE MANZANERA 1 REFERENCES: 1138
LOS1	*	LOS OLMOS DE MANZANERA 3 REFERENCES: 1138
LOS2		LOS PALACIOS REFERENCES: 1138
LOT	*	LOTI REFERENCES: 405 1077
LOU	*	LOUHI SYNONYMS: LOU1(639) REFERENCES: 16 639 663 1106
LOU1		LOUHINOHRA SEE ALSO: LOU REFERENCES: 639 841
LOV1		LOVASZPATONAI D 160 REFERENCES: 1110
LOV		LOVASZPATONAI UNIVERSAL REFERENCES: 1110
LOW	*	LOWDEN REFERENCES: 76 252 469 1154 1170
LOY1		LOYASZPATONAI UNIVERSAL REFERENCES: 686

CODE		FULL NAME
LOY	*	LOYOLA
		REFERENCES: 225 326 364 642 643 1023 1178
LSB		LSB 2
		REFERENCES: 68
LUB1		LUB1CK1
		REFERENCES: 947
LUB	*	LUBIN
		REFERENCES: 858
LUB2		LUBUSKI
		REFERENCES: 75
LUC1		LUC
		REFERENCES: 686
LUC2		LUCENI
		REFERENCES: 877
LUC3		LUCH
		REFERENCES: 10 130 893 894 979 1084 1085 1086 1087
LUC		LUCKE
		REFERENCES: 236
LUD1	*	LUD
		REFERENCES: 189 192 370 405 453 663 686 846
LUD	*	LUDWIG
		REFERENCES: 190 191 252 386 405 628 866 868 869 945 1154
LUH1		LUHUO BLACK SIX-ROWED NAKED BARLEY
		REFERENCES: 526
LUH		LUHUO WHITE SIX-ROWED NAKED BARLEY
		REFERENCES: 526
LUI	*	LUIDENBURG 712
		REFERENCES: 1173
LUK		LUKE
		REFERENCES: 10 187 188 189 190 191 311 364 405 425 453 846
LUL	*	LULU
		REFERENCES: 945 946 1160
LUN1	*	LUNA
		REFERENCES: 364 663 1173
LUN		LUNI
		REFERENCES: 1082
LUP		LUPE
		REFERENCES: 1138
LUP1	*	LUPE 1
		REFERENCES: 1138
LUP2	*	LUPE 2
		REFERENCES: 1138
LUT	*	LUTH
		REFERENCES: 76 199 262 285 469 479 488 721 722 789 1015 1170
LUT1	*	LUTHER
		REFERENCES: 193 252 644 821 826
LUT3	*	LUTSKII
		REFERENCES: 1112
LUT2		LUTTICHAU
		REFERENCES: 906
LUX		LUXOR
		REFERENCES: 829
LVO		LVOVSKII
		REFERENCES: 689
LYA		LYALLPUR
		REFERENCES: 87 182 190 252 337 443 453 471 473 533 695 783 971 1077 1082 1084
LYA1		LYALLPUR BS
		REFERENCES: 252
LYA5		LYALLPUR MEHLTAURESISTENTE 3913
		REFERENCES: 686
LYA7		LYALLPUR 2
		REFERENCES: 1077 1084
LYA2		LYALLPUR 3645
		REFERENCES: 100 145 608 968 1082 1084
LYA3		LYALLPUR 3647
		REFERENCES: 100 363 663 687 709 828
LYA4		LYALLPUR 3648
		REFERENCES: 829
LYA8		LYALLPUR 3684
		REFERENCES: 1158

CODE		FULL NAME
LYA6		LYALLPUR 4595
		REFERENCES: 100 663 836
LYN		LYNCH
		REFERENCES: 285 527 722
LYN1		LYNDERUPGAARD
		REFERENCES: 275
LYR	*	LYRIC
		REFERENCES: 405 846
LYT	*	LYTTON
		REFERENCES: 469
L5R1		L5 R101
		REFERENCES: 761
L5R9		L5 R99
		REFERENCES: 761
M		M
		REFERENCES: 405
MGP		M G P
		REFERENCES: 363
M38	*	M 38
		REFERENCES: 37
MAC2		MACCA
		REFERENCES: 628
MAC3		MACHIMURA
		REFERENCES: 877 1049
MAC4		MACHIMURA OMUGI
		REFERENCES: 1049
MAC		MACKIE'S CHEVALIER
		REFERENCES: 929
MAC1		MACROGLUMIS
		REFERENCES: 252
MAD1	*	MADELEINE
		REFERENCES: 102 355 359 378 576 663
MAD	*	MADRU
		SYNONYMS: ECK7(663)
		REFERENCES: 53 86 87 189 190 191 370 405 574 608 663 769 809 1009 1152 1161
MAD2		MADZUSKY NAHY
		REFERENCES: 686
MAG7	*	MAGALI
		REFERENCES: 102 378 576
MAG3	*	MAGALLON 1
		REFERENCES: 1138
MAG4	*	MAGALLON 2
		REFERENCES: 1138
MAG5	*	MAGALLON 3
		REFERENCES: 1138
MAG		MAGDALENA
		REFERENCES: 252
MAGC		MAGHNAAL
		REFERENCES: 275
MAGA	*	MAGNIF 102
		REFERENCES: 686
MAG9	*	MAGNIF 104
		REFERENCES: 190 608 663
MAGB	*	MAGNIF 132
		REFERENCES: 663
MAG8		MAGNIF 137
		REFERENCES: 366
MAG6	*	MAGNUM
		REFERENCES: 187 190 236 311 364 424 425 663
MAG1	*	MAGUELONE
		REFERENCES: 236 252 576 737 1082
MAG2		MAGURELE
		REFERENCES: 252 686
MAH3		MAHAN
		REFERENCES: 469
MAH4		MAHNDORFER
		REFERENCES: 115 370 574 663 846 1161
MAH		MAHNDORFER HANNA
		REFERENCES: 252 816 906
MAH5	*	MAHNDORFER PRINCESS
		REFERENCES: 895

CODE		FULL NAME
MAH1		MAHNDORFER VIKTORIA
		SEE ALSO: VIK
		REFERENCES: 148 246 343 360 574 777
MAH6		MAHREN
		REFERENCES: 453
MAH2		MAHRISCHE
		REFERENCES: 469
MAI5		MAI CHEN
		REFERENCES: 877
MAI1		MAIA
		SYNONYMS: MAI (9999)
		REFERENCES: 663 1026 1150
MAI		MAIJA
		SEE ALSO: MAI1 MAJ
		REFERENCES: 1082 1106 1146
MAI4		MAIN WALI
		REFERENCES: 533
MAI3		MAISON CARREE
		REFERENCES: 5 24 471 473
MAI2	*	MAISSONNE
		REFERENCES: 236 364 576 608 757 1084
MAJ	*	MAJA
		SYNONYMS: ABE2(167) MAI (9999) MAY (582)
		REFERENCES: 4 8 43 45 47 63 91 92 97 165 166 167 178 241 255 301 323 354 378 379 381 447 449 450 451 453 460 461 521 523 530 531 532 546 576 618 663 670 686 687 691 695 697 698 708 709 713 725 736 760 771 777 778 780 782 809 810 812 831 836 841 846 894 916 933 945 976 977 1007 1012 1064 1077 1079 1082 1085 1132 1133 1134 1158
MAJ1	*	MAJA (GERMAN FED REP)
		REFERENCES: 1082
MAJ6		MAJA (XR)
		REFERENCES: 846
MAJ2		MAJA RIXO
		REFERENCES: 1132
MAJ5		MAJAR
		REFERENCES: 1086
MAJ4		MAJI
		REFERENCES: 23
MAJ3	*	MAJO
		REFERENCES: 187 364 574 769 846
MAK		MAKNASSY
		REFERENCES: 767
MAK2		MAKSIMAR 166
		REFERENCES: 877
MAK3		MAKSIMAR 252
		REFERENCES: 877
MAK4		MAKSIMAR 253
		REFERENCES: 877
MAK1		MAKSIMIRSKI 45
		REFERENCES: 724
MAL2	*	MALA ABED
		REFERENCES: 186 187 311 364 405 809 1077 1086 1139 1140
MALC	*	MALDON
		REFERENCES: 846
MALB	*	MALEBO
		REFERENCES: 912
MAL4		MALSTER
		REFERENCES: 252
MAL8		MALT 205
		REFERENCES: 533
MAL9		MALT 209
		REFERENCES: 533
MALA		MALT 271
		REFERENCES: 533
MAL	*	MALTA
		REFERENCES: 42 54 101 178 185 190 191 236 311 334 338 363 364 370 405 431 574 608 663 769 809 846 945 946 1105 1174
MAL6		MALTERIA HEDA
		REFERENCES: 38 155 252 409 686

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CODE          FULL NAME

MAL5      MALTERIA 150
            REFERENCES:    252  380
MAL7      MALTING
            REFERENCES:    469  721
MAL1      MALTSTER
            REFERENCES:     81   89  102  469
MAL3   *  MALTWORTHY
            REFERENCES:     30  138  139  141  252  578  704  744  882  916 1012
                          1090
MAM4      MAMBO
            REFERENCES:    364
MAM    *  MAMIE
            REFERENCES:     85  149  228  230  364  375  392  576  686  718  737
                           771  777  804  848  872 1082 1084 1086
MAM6      MAMMOAT
            REFERENCES:    783
MAM5      MAMMON
            REFERENCES:    783
MAM1      MAMMOTH
            REFERENCES:    252  628
MAM2      MAMMOTH WINTER
            REFERENCES:    252  469  721 1015 1092
MAM8      MAMMOUTH
            REFERENCES:    102
MAM7   *  MAMMOUTH 1
            REFERENCES:    102
MAM9   *  MAMMOUTH 2
            REFERENCES:    102
MAM3   *  MAMMUT
            SYNONYMS:  MASI( 405)
            REFERENCES:    236  355  364  405  426  574  653  846
MASQ      MANAPOU
            REFERENCES:     51  686
MARE      MANCHU
            REFERENCES:    403 1164
MANH   *  MANCHURIA (CI 2330)
            SYNONYMS:  IMP6( 469) MIN8( 472)
            REFERENCES:    469  471  472  473  538  599  620  784
MANK      MANCHURIA (CI 2929)
            REFERENCES:    469 1049
MANF   *  MANCHURIA (CI 2947)
            SYNONYMS:  NOR3(1170)
            REFERENCES:    252  379 1170
MANB      MANCHURIA (UNSPECIFIED)
            SYNONYMS:  EAG ( 996) ODE1( 996)
            REFERENCES:      1    5   27  166  199  242  251  252  262  399  403
                           405  415  468  469  470  474  475  476  478  488  490
                           498  527  608  675  683  712  721  754  775  827  836
                           934  937  971  996 1015 1055 1072 1154 1170
MAN       MANCHURIA(CI 241)(1861-WISCONSIN USA
            SEE ALSO:  MANA
            SYNONYMS:  MANC( 469) MAND( 469) MANN( 469) MIN5( 469) NOR2( 469)
            REFERENCES:     6  469  472
MANA      MANCHURIA(CI 244)(1889-GUELPH CANADA
            SEE ALSO:  MAN
            SYNONYMS:  MANG( 469) MIN6( 469) MIN7( 469)
            REFERENCES:     6  199  216  469  470  472  758 1170
MAP7      MANCHURIA(CI 245)UNDOCUMENTED ORIGIN
            SEE ALSO:  FAY
            REFERENCES:    469  675
MAQ7      MANCHURIA-ODERBRUCKER
            REFERENCES:    996
MANI   *  MANCHURIAN
            REFERENCES:    251  252  379  469  479  619  767 1015
MAND      MANCHURY MINNESOTA NO 6
            SEE ALSO:  MAN
            REFERENCES:    469
MASU      MANDARIN
            REFERENCES:    628
MAUT   *  MANDOLIN
            REFERENCES:    405  663
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CODE		FULL NAME
MANG		MANDSCHEURI
		SEE ALSO: MANA
		SYNONYMS: CVA1(9999)
		REFERENCES: 6 199 251 469 472 654 754 815 839 984 1015
MAUF		MANDUS
		REFERENCES: 686
MAU6		MANDZUSKY NAHY
		REFERENCES: 94
MAS4		MANHATTAN MALTING
		SEE ALSO: CHE1
MASP	*	MANKER
		REFERENCES: 22 50 51 902 1061
MASW		MANMUTO
		REFERENCES: 617
MARF	*	MANON
		REFERENCES: 45 85 86 87 98 170 209 235 236 248 375
		376 574 628 724 737 809 831 846
MARK	*	MANRIKI
		REFERENCES: 540 541 690 738
MAV7	*	MANSBERG
		REFERENCES: 663
MARI	*	MANSFIELD
		REFERENCES: 252 468 469
MARL		MANSHOLT
		SYNONYMS: MAS3(9999)
		REFERENCES: 102 252 360 663 686 1028 1089
MARV		MANSHOLT GRONINGER
		SEE ALSO: GRO1
		REFERENCES: 246 461 816
MARM		MANSHOLT'S SWERYIGE
		SEE ALSO: MAS3
		REFERENCES: 232 252 783 1082
MAS3	*	MANSHOLT'S TWO ROWED
		SEE ALSO: MARL
		SYNONYMS: MARM(1082)
		REFERENCES: 576 618 651 663 686 777 1082
MARU		MANSHOLT'S WINTER BARLEY
		REFERENCES: 461 663
MAN3	*	MANSHOLTS FLETUMER
		REFERENCES: 663
MAV8		MANSHOLTS VINDICAT
		SEE ALSO: VIN
MANC		MANSHURY
		SEE ALSO: MAN
		REFERENCES: 251 469
MAN2		MANSING
		SEE ALSO: MUN
		REFERENCES: 686
MANN		MANSURY
		SEE ALSO: MAN
		REFERENCES: 469
MASM		MAQUELONE
		REFERENCES: 809
MAU7		MARCH
		REFERENCES: 895
MASE		MARCHIJSKI
		REFERENCES: 656
MARJ		MARCO
		SEE ALSO: MASI
		REFERENCES: 379 783 937
MAR1	*	MARCONEE
		REFERENCES: 252 417 419 433 581 628 764 765 1170
MASC		MARDAN
		REFERENCES: 469
MARN		MARETTS AWNLESS 1
		REFERENCES: 252 361 866
MARO		MARETTS HOODED 4
		REFERENCES: 252 866
MAUB		MARGOT
		REFERENCES: 236

CODE		FULL NAME	
MARD		MARI	
		SYNONYMS: SVAN(574)	
		REFERENCES:	16 363 364 374 378 379 405 443 448 449 450 451 455 456 460 515 516 608 663 684 686 695 710 846 882 907 908 1077 1081 1082 1090 1139 1200
MARP		MARIANA	
		REFERENCES:	252
MAU8	*	MARIENHOFER KNEIFEL	
		REFERENCES:	743
MAUE	*	MARILYN	
		REFERENCES:	574 846
MAVA	*	MARIMO HADAKA	
		REFERENCES:	1049
MAUC	*	MARION	
		REFERENCES:	236 405 846
MASS		MARIONET	
		REFERENCES:	721
MAR3		MARIOUT	
		SEE ALSO: CAL3 CLU	
		REFERENCES:	37 81 252 474 498 504 721 773 996 998 1068 1101 1170
MAU3		MARIOUT 237	
		REFERENCES:	303
MAR5	*	MARIS BADGER	
		REFERENCES:	123 173 230 252 284 288 310 332 334 349 374 379 405 485 515 516 524 560 608 684 686 693 735 771 836 1082 1090
MAUU	*	MARIS BADGER 2	
		REFERENCES:	405
MARG	*	MARIS BALDRIC	
		REFERENCES:	23 47 94 123 173 230 249 252 349 560 608 663 686 771 1077 1082 1090 1148
MAUR		MARIS BULBECK	
		REFERENCES:	190 191 192
MARC	*	MARIS CANON	
		REFERENCES:	145 335 405 412 608 663 686 735
MAR8		MARIS CONCORD	
		REFERENCES:	175 185 190 284 288 332 363 405 524 525 560 574 593 686 693 707 871 1077 1082 1176
MAUV	*	MARIS DINGO	
		REFERENCES:	405
MAR9	*	MARIS DRUID	
		SYNONYMS: HB4 (334)	
		REFERENCES:	252 334 1077
MARA	*	MARIS MINK	
		SYNONYMS: HB5 (338)	
		REFERENCES:	183 187 190 191 236 311 338 364 405 412 487 593 608 663 686 696 809 871 872 931 1077 1086 1087 1143 1174 1175 1178
MAUS		MARIS MINK (CM)	
		REFERENCES:	405
MAR6	*	MARIS OTTER	
		REFERENCES:	42 175 185 190 191 192 236 284 311 332 363 364 405 424 426 454 487 525 559 560 574 608 769 848 1082
MAR7		MARIS PUMA	
		REFERENCES:	176 185 190 284 332 454 525 559 560 574 1082
MAUD		MARIS RIMA	
		REFERENCES:	608
MARH	*	MARIS TROJAN	
		REFERENCES:	50 185 187 190 236 311 364 405 769 846 1174
MARY	*	MARIS YAK	
		REFERENCES:	189 190 405 576 1077
MAU2		MARISCHE	
		REFERENCES:	76
MAS6		MARISMAS	
		REFERENCES:	1138
MARQ		MARKHINSTI	
		REFERENCES:	252
MAU1		MARKHOT	
		REFERENCES:	578

CODE		FULL NAME
MAS1	*	MARKO SEE ALSO: MAM3 SYNONYMS: MARJ(9999) REFERENCES: 191 192 364 846
MASL		MARLBOROUGH CHEVALLIER REFERENCES: 725
MAU4		MARM REFERENCES: 315
MAV5		MARNE REFERENCES: 576
MAR	*	MARNOBARB SYNONYMS: MAR2(1170) NOB (1170) REFERENCES: 227 252 644 866 1170
MASV		MAROCAINE REFERENCES: 783
MARR		MAROCAINE 024 REFERENCES: 252 783
MASR		MAROCAINE 079 REFERENCES: 302 403 686 751
MAUN		MAROCAINE 21 REFERENCES: 403
MASF		MAROCCO BARLEY REFERENCES: 767
MASZ	*	MARQUISE REFERENCES: 102 576 578 663
MAUX		MARRACOS REFERENCES: 877
MAV4	*	MARS (FRANCE 1967) REFERENCES: 576
MAR4	*	MARS (USA 1945) REFERENCES: 268 269 271 369 433 574 737 835 901 998 1082 1095 1096 1154 1163 1170
MASD		MARSBURY REFERENCES: 469
MARZ		MARTA SYNONYMS: MARX(1082) REFERENCES: 1082
MARX	*	MARTHA SEE ALSO: MARZ REFERENCES: 53 54 364 403 663 686 809 1009 1135 1152
MARW	*	MARTIN REFERENCES: 461 608 663 686
MASG		MARTON REFERENCES: 914
MART		MARTONVASARI REFERENCES: 252 326 364 607 997 1001
MAUG	*	MARTONVASARI FB 101 REFERENCES: 686 846 1110
MAUH		MARTONVASARI FB 105 REFERENCES: 686 1110
MASX	*	MARTONVASARI FB102 REFERENCES: 663 933 1110
MASY	*	MARTONVASARI FB104 REFERENCES: 663 933
MAUK		MARTONVASARI MK 175 REFERENCES: 686
MAUJ		MARTONVASARI MK 42 REFERENCES: 686
MASH		MARTONVASARI 34 REFERENCES: 300 364 606
MAV1		MARTONVASARI 38 REFERENCES: 1110
MAV2		MARTONVASARI 39 REFERENCES: 1110
MAUY		MARTONVASARI 40 REFERENCES: 1110
MAUO		MARTONVASARI 43 REFERENCES: 606
MAT1		MARTONVASARI 43 REFERENCES: 364
MASN		MARTONVASARI 45 REFERENCES: 49
MAUP		MARTONVASARI 46 REFERENCES: 364 606 1110

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CODE          FULL NAME

MAUQ      MARTONVASARI 48
            REFERENCES:   606
MAV3      MARTONVASARI 50
            REFERENCES:  1110
MAUZ      MARTONVASARI 62
            REFERENCES:  1110
MAUI      MARTONVASARI 802
            REFERENCES:   686
MAV9      MARUCHIN 1
            REFERENCES:  1049
MARB      MARUMI
            REFERENCES:   412  686  690 1047
MAUA  *   MARUMI 16
            REFERENCES:  1041 1049
MASO      MARVELLOUS
            REFERENCES:   163
MAUW  *   MARY
            REFERENCES:   405
MASK  *   MARY SVALOFS
            REFERENCES:    75
MAR2      MARYLAND SMOOTH AWN
            SEE ALSO:  MAR
            REFERENCES:   461 1170
MAS5      MARYLAND WINTER
            SEE ALSO:  TEN1
            REFERENCES:    76  469  686
MARS      MARYS DWARF
            REFERENCES:   252
MAS9      MARZAL DE AUZIN
            REFERENCES:  1138
MASB      MARZAL DE GAZOLAZ (B)
            REFERENCES:  1138
MAS7      MARZAL 14 (A)
            REFERENCES:  1138
MAS8  *   MARZAL 14 (B)
            REFERENCES:  1138
MAST      MASASINOMUGI
            REFERENCES:   628
MAS2      MASHIN
            SEE ALSO:  MAS *
            REFERENCES:  1082
MAVB  *   MASHUMUGI
            REFERENCES:  1049
MAVC      MASJED I-TOLI
            REFERENCES:   275
MAS   *   MASKIN
            TRANSLATIONS:  MAS2(RUS)
            REFERENCES:     4   43   66  166  378  379  412  443  460  475  632
                          638  639  712  808  836 1082
MAS1      MASSAUX
            REFERENCES:   155  252  662  882  985
MAU5      MASSAUX 252
            REFERENCES:   662  686
MASA  *   MASSEY
            REFERENCES:   193  364
MAT3      MATA
            REFERENCES:    51  686
MAT4      MATSUWA 1
            REFERENCES:   617
MAT   *   MATURA
            REFERENCES:   327  328  363  608  686  707 1082
MAUL  *   MAURY
            REFERENCES:  1016 1017 1018 1019
MAU9      MAUSBERGER
            REFERENCES:   816
MAV       MAVILA
            REFERENCES:   877
MAW       MAWONGHIE
            REFERENCES:   361  371
MAY       MAYA
            SEE ALSO:  MAJ
            REFERENCES:    10  102  356  582  704  811
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CODE		FULL NAME	
MAY1	*	MAYTHORPE	
		REFERENCES:	33 43 45 92 101 167 168 169 170 178 190 191 252 254 256 301 382 686 771 780 831 1082 1177
MAY2		MAYTHORPE (GR)	
		REFERENCES:	178 179 335 363 1082
MAZ1	*	MAZOWIECKI	
		REFERENCES:	656 1082
MAZ	*	MAZURKA	
		REFERENCES:	50 120 129 130 145 182 187 190 191 192 236 278 311 337 363 364 370 372 381 405 487 535 593 597 608 686 696 757 809 945 1084 1086 1129 1143 1156 1157 1160 1173 1174
MCC		MCCLOYMONT	
		REFERENCES:	469
MCF		MCFADDEN	
		REFERENCES:	252 464
MCN	*	MCNAIR 601	
		REFERENCES:	121 252 431 581 765
MEC		MECKNOS MOROE	
		REFERENCES:	527 721
MEDH	*	MEDALLION	
		REFERENCES:	191 192 846
MEDD		MEDICUM A	
		REFERENCES:	102
MEDJ		MEDICUM K557	
		REFERENCES:	389
MEDC	*	MEDICUM 105/72	
		REFERENCES:	102 1189
MED1		MEDICUM 1388	
		REFERENCES:	252
MEDK		MEDICUM 174	
		REFERENCES:	1086
MED9		MEDICUM 2	
		REFERENCES:	26
MED7		MEDICUM 2422	
		REFERENCES:	1073
MED6		MEDICUM 26	
		REFERENCES:	166 446 1189
MEDB		MEDICUM 330/2	
		REFERENCES:	736
MEDA	*	MEDICUM 46	
		REFERENCES:	66 390 686 736 1189
MED2		MEDICUM 515	
		REFERENCES:	914 1082
MED4		MEDICUM 84	
		REFERENCES:	874
MED3		MEDICUM 8955	
		REFERENCES:	166 389 666 818 1082 1085 1086 1087 1090
MEDF		MEDIKUM 1371	
		REFERENCES:	686
MED5		MEDIKUM 2/5	
		REFERENCES:	889
MEDG		MEDIKUM 8055	
		REFERENCES:	686
MEDE		MEDIKUM 848	
		REFERENCES:	686
MED8	*	MEDINA	
		REFERENCES:	51 54 364
MEDI		MEDINACELI	
		REFERENCES:	877
MED	*	MEDUSA	
		REFERENCES:	145 663 686 801 809 846 963 1084 1175
MEG		MEGALIA	
		REFERENCES:	252
MEH		MEHLENBACKER	
		REFERENCES:	252
MEH1		MEHLTAURESISTENTE BARINGERSTE	
		REFERENCES:	53
MEI1	*	MEIKLEYIELD	
		REFERENCES:	168 308
MEI	*	MEIMI	
		REFERENCES:	98 315 405 553 644 727 866 918 965 1170

CODE		FULL NAME
MEK	*	MEKEI 8
		REFERENCES: 658 1012
MEL6		MELCHIOR
		REFERENCES: 574
MEL5		MELIOR
		REFERENCES: 98 360 574
MEL2	*	MELODY
		REFERENCES: 364 405 426 427 686 846
MEL4		MELON D'OR
		REFERENCES: 917
MEL1	*	MELOY
		REFERENCES: 76 469 471 473 474 1038 1170
MEL	*	MELOY 3
		REFERENCES: 1170
MEL3	*	MELVIN
		REFERENCES: 364 481 1181
MEN4		MENELIK
		REFERENCES: 100 190 191 192 663 686 829
MEN6		MENET
		REFERENCES: 872
MEN1		MENSURY
		SEE ALSO: MEN2
		REFERENCES: 27 199 251 252 469 479 616 628 686 754 759 783 816 839 984
MEN2	*	MENSURY OTTAWA 60
		SYNONYMS: CHI3(479) CHI4(479) MEN1(479)
		REFERENCES: 199 251 479 1015
MEN7		MENSURY 2
		REFERENCES: 1049
MEN5		MENSURY 5
		REFERENCES: 1015 1046
MEN	*	MENTOR
		SYNONYMS: ABE (210)
		REFERENCES: 45 123 125 210 252 513 514 663 686 695 777 782
MEN3	*	MENUET
		REFERENCES: 187 236 364 663 757 809 1130 1175 1176 1178
MER		MERCER
		REFERENCES: 252
MER3		MERISA 71
		REFERENCES: 1138
MER4		MERISA 77
		REFERENCES: 1138
MER5	*	MERISA 77-1
		REFERENCES: 1138
MER6		MERISA 89
		REFERENCES: 1138
MER7		MERKLEYIELD
		REFERENCES: 846
MER2	*	MERKUR
		REFERENCES: 30 94 320 686 836 928 943 1082 1084 1089 1090
MER1		MERZAGA
		REFERENCES: 252
MES	*	MESANGE
		REFERENCES: 235 252 576 686 737 1082
MES1		MESOHEGES
		REFERENCES: 252
MES9		MESS 23
		REFERENCES: 697
MES2		MESSENGER
		REFERENCES: 252
MES3	*	MESSIDOR
		REFERENCES: 252 576 1082
MESA		MESSKIRCHAER
		REFERENCES: 686
MESE		MESTERHAZI
		REFERENCES: 1110
MESF		MESTERHAZI 153
		REFERENCES: 1110
MESB		MESTERHAZI 193
		REFERENCES: 686
MES4		MESTERHAZI 210
		REFERENCES: 252

CODE		FULL NAME
MES6		MESTNYJ GRUZINSKAJA 17480
		REFERENCES: 145
MES7		MESTNYJ GRUZINSKAJA 17491
		REFERENCES: 145
MES8		MESTNYJ GRUZINSKAJA 6153
		REFERENCES: 145 686
MES5		MESTNYJ GRUZINSKAJA 6161
		REFERENCES: 145
MESC		MESTNYJ 43
		REFERENCES: 686
MESD		MESTNYK TURCIJA
		REFERENCES: 686
MET3		METAXAS
		REFERENCES: 708
MET		METEOR
		REFERENCES: 486
MET2	*	METRO
		REFERENCES: 192 405 846
MET4		METTES HANNA
		REFERENCES: 275
MET1		MET1
		REFERENCES: 608 663
MEX1		MEXICAN
		SEE ALSO: HOD1
		REFERENCES: 469
MEX		MEXICAN BEARDLESS
		SEE ALSO: NEP
		REFERENCES: 469
MEZ5		MEZOHEGYES 31
		REFERENCES: 115 1123
MEZ6		MEZOHEGYES 56/64
		REFERENCES: 115
MEZ7		MEZOHEGYES 70
		REFERENCES: 686
MEZ8		MEZOHEGYESI 20
		REFERENCES: 1110
MEZ		MEZOHEGYESI 68
		REFERENCES: 34 115 252
MEZ1	*	MEZQUITA DE JARQUE 1
		REFERENCES: 1138
MEZ2	*	MEZQUITA DE JARQUE 2
		REFERENCES: 1138
MEZ3	*	MEZQUITA DE JARQUE 3
		REFERENCES: 1138
MEZ4	*	MEZQUITA DE JARQUE 4
		REFERENCES: 1138
MFB1		MFB KORAI
		REFERENCES: 704
MFB		MFB 104
		REFERENCES: 608 809 1110
MG	*	MG 6033
		REFERENCES: 846
MGH2	*	MGH 55221
		REFERENCES: 663 846
MGH3	*	MGH 57369
		REFERENCES: 846
MGH	*	MGH 59175
		REFERENCES: 1082
MGH4	*	MGH 60312
		REFERENCES: 846
MGH5		MGH 6266
		REFERENCES: 1077
MGH1		MGH 63199
		REFERENCES: 405
MGZ		MGZ
		SEE ALSO: ACK3
		REFERENCES: 608 1150
MIA		MIANWALI
		REFERENCES: 194 225 252 464 527 783 1023 1143
MIC7		MICHALOVICKY NAHY
		REFERENCES: 94 686
MIC5		MICHIGAN
		REFERENCES: 469

CODE		FULL NAME
MIC4		MICHIGAN BLACK BARBLESS
		SEE ALSO: BLA1
		REFERENCES: 469 1015
MIC	*	MICHIGAN WINTER
		REFERENCES: 41 206 252 368 461 469 559 561 565 566 574 585 701 703 866 867 869 1170
MIC1		MICHIGAN 2-ROWED
		REFERENCES: 489 1154 1170
MIC8		MICHIGAN 308
		REFERENCES: 663
MIC2		MICHIGAN 31604
		REFERENCES: 199 608 758 1015 1170
MIC3		MICHUNG
		REFERENCES: 252
MIC6	*	MICUCCIO
		REFERENCES: 364 848 1013
MID	*	MIDAS
		REFERENCES: 145 179 187 188 189 190 191 192 311 335 363 364 392 405 486 487 593 608 663 686 696 715 735 812 871 872 928 1082 1084 1086 1102 1140 1143 1199
MIE1		MIE BAITORI
		REFERENCES: 1049
MIE		MIESTNYJ
		REFERENCES: 75
MIH5		MIHO
		REFERENCES: 1049
MIH2	*	MIHO GOLDEN
		REFERENCES: 658 665 1012
MIH		MIHO HADAKA
		REFERENCES: 252 1049
MIH7	*	MIHO 22
		REFERENCES: 1049
MIH6	*	MIHO 3
		REFERENCES: 1049
MIH1		MIHO 35
		REFERENCES: 541
MIH4		MIHO 65.17
		REFERENCES: 1049
MIH3		MIHORI HADAKA 3
		REFERENCES: 1048
MII	*	MIINA
		REFERENCES: 1112
MIK2	*	MIKADO
		REFERENCES: 236 364 576 1130
MIK3		MIKAZUKI
		REFERENCES: 1049
MIK		MIKULICKI
		REFERENCES: 34 252 646 1039 1082
MIK1		MIKURIYA
		REFERENCES: 636 653
MIL9		MILADY
		REFERENCES: 686
MIL2		MILDEW RESISTANT A
		REFERENCES: 179 190 191 335
MIL5		MILLENIUM
		REFERENCES: 89 162 484 947
MIL	*	MILLER
		REFERENCES: 121 143 252 411 431 608 644
MIL6		MILN
		REFERENCES: 1139 1140
MIL1	*	MILNS GOLDEN PROMISE
		SYNONYMS: GOL5(663)
		REFERENCES: 178 288 1082
MILB		MILNS 155
		REFERENCES: 190 191 192 331
MIL3	*	MILTON
		REFERENCES: 151 252 798 799 1084
MIL7		MILTONE
		REFERENCES: 1082
MILA		MILU
		REFERENCES: 686
MIL8		MILUST
		REFERENCES: 783

CODE		FULL NAME
MILC		MILYANG 1
		REFERENCES: 677
MILD	*	MILYANG 16
		REFERENCES: 843
MIL4	*	MILYANG 6
		REFERENCES: 240 628 653 677 843 1011
MIM1		MIMACK
		REFERENCES: 628
MIM	*	MIMI
		REFERENCES: 338 405
MIND		MIN-XIAN
		REFERENCES: 526
MINE		MINA
		REFERENCES: 686
MIN9	*	MINAK
		REFERENCES: 187 190 311 364 405 424 425 686 846
MINI	*	MINAMI HADAKA
		REFERENCES: 1049
MIN2	*	MINERVA
		REFERENCES: 145 168 180 185 186 190 247 252 292 320 335 361 378 379 405 434 450 464 486 608 651 695 777 808 809 846 882 1077 1082 1128 1139 1140 1177
MINF		MINERVA 2
		REFERENCES: 872
MIN4		MING
		REFERENCES: 619 620
MING	*	MINGO
		REFERENCES: 193
MINB		MINIA
		REFERENCES: 24 232 471 473 783
MINA		MINISTER RUYS
		REFERENCES: 51 663
MIN7		MINNESOTA NO 105
		SEE ALSO: MANA
MIN8		MINNESOTA NO 184
		SEE ALSO: MANH
		REFERENCES: 472
MIN6		MINNESOTA NO 32
		SEE ALSO: MANA
MIN5		MINNESOTA NO 6
		SEE ALSO: MAN
		REFERENCES: 469
MIN	*	MINNESOTA 450
		REFERENCES: 1062 1170
MIN1	*	MINNESOTA 462
		REFERENCES: 1170
MINC	*	MINORIMUGI
		REFERENCES: 740 1049
MINH		MINSKII
		REFERENCES: 381 392 708 979 1084 1086
MIN3	*	MINSTURDI
		REFERENCES: 242 384 469 470 537 783 918
MIR6		MIRAGE
		TRANSLATIONS: MIR3(RUM)
		REFERENCES: 1010 1104
MIR3		MIRAJ
		SEE ALSO: MIR6*
		REFERENCES: 364 987
MIR1	*	MIRANDA
		REFERENCES: 186 364 608 757 809
MIR4	*	MIREILLE
		REFERENCES: 20 102 371 576 663
MIR5	*	MIRENA
		REFERENCES: 405 686 756 846 895 1010
MIR2	*	MIRJAM SEJET
		REFERENCES: 364 663 1077
MIR7		MIRJAMI
		REFERENCES: 686
MIR8		MIRKO
		REFERENCES: 848
MIR	*	MIRRA
		REFERENCES: 181 187 311 336 338 364 574 608 769 809
MIS6		MISHIMA
		REFERENCES: 469

CODE		FULL NAME
MISB	*	MISHIMA HADAKA REFERENCES: 1049
MIS2		MISSOURI B-400 SEE ALSO: MOB REFERENCES: 98 252 867
MIS3		MISSOURI B-475 SEE ALSO: MOB1 REFERENCES: 98 252 867
MIS5		MISSOURI B-705 REFERENCES: 252
MIS1		MISSOURI BARBLESS REFERENCES: 579 867 1170
MIS7		MISSOURI BEARDLESS REFERENCES: 1153
MIS		MISSOURI EARLY BEARDLESS SYNONYMS: EAR (1170) REFERENCES: 41 252 316 461 493 496 579 668 700 783 866 869 918 1038 1170
MIS4		MISSOURI OB REFERENCES: 576
MIS8		MISSUDAEMACK REFERENCES: 628
MISA		MISTRAL REFERENCES: 102
MIS9	*	MISUZU REFERENCES: 541 602 665 717 738 739 832 1049
MIT6	*	MITA REFERENCES: 1077
MIT3	*	MITAKE REFERENCES: 51 1049
MIT7	*	MITOR REFERENCES: 608 1077
MIT		MITSUKI REFERENCES: 690 1049
MIT1		MITTELFRUCHE REFERENCES: 252 883
MIT2		MITTLAUER HANNA REFERENCES: 252
MIT5		MITUNA REFERENCES: 686
MIV		MIV REFERENCES: 574
MIY2		MIYAGI ROKKAKU 23 REFERENCES: 690 1192
MIY		MIYAGI ROKKAKU 3 REFERENCES: 690 1192
MIY1	*	MIYAGI 12 REFERENCES: 690 783 1049 1192
MIY7	*	MIYAGI 123 REFERENCES: 1049
MIY6		MIYAGI 13 REFERENCES: 602
MIY5		MIYAGI 42 REFERENCES: 544
MIY8		MIYAN DEH REFERENCES: 275
MIY3		MIYAZAKI HADAKA REFERENCES: 635 636
MIY4	*	MIYUKI REFERENCES: 665
MIZ		MIZOHEGYSER REFERENCES: 783
MIZ1		MIZUHO REFERENCES: 540
MJO		MJOS REFERENCES: 275
MK17	*	MK 175 REFERENCES: 809 1175
MK42	*	MK 42 REFERENCES: 10 663 809 871 1175 1176
MK47		MK 47 REFERENCES: 1110
MKH		MKH 23 REFERENCES: 871

CODE		FULL NAME
MKH1		MKH 81
		REFERENCES: 871
MKS		MKS 22
		REFERENCES: 871
MKS1		MKS 26
		REFERENCES: 871
MKS2		MKS 29
		REFERENCES: 871
MKS3		MKS 34
		REFERENCES: 871
MKS4		MKS 43
		REFERENCES: 871
MKS5		MKS 45
		REFERENCES: 871
MKS6		MKS 50
		REFERENCES: 871
MKS7		MKS 59
		REFERENCES: 871
MKS8		MKS 99
		REFERENCES: 871
MLO1		MLOCHOWSKI
		REFERENCES: 656
MLO		MLOCHOWSKI NAGI
		REFERENCES: 252
MOB	*	MO B-400
		SYNONYMS: MIS2(867)
		REFERENCES: 119 360 361 579 701 702 867 868 869 1170
MOB1	*	MO B-475
		SYNONYMS: MIS3(867)
		REFERENCES: 316 552 608 668 867 868 869 1170
MOB4		MO B-538
		REFERENCES: 387
MOB3		MO B-969
		REFERENCES: 316
MOA		MOARA DOMNEASCA
		REFERENCES: 34
MOB5	*	MOB
		REFERENCES: 846
MOB6	*	MOB GRIGNON
		REFERENCES: 846
MOB2		MOB 575
		REFERENCES: 777
MOC		MOCHI HADAKA
		REFERENCES: 252
MOC2		MOCHINEMUGI
		REFERENCES: 800
MOC1		MOCKI MUGI
		SEE ALSO: MUC
		REFERENCES: 469 613 800
MOD		MODIA
		REFERENCES: 379 381 464 609 686 783 937 939 985 1014 1082 1084 1088
MOD2		MODJO
		REFERENCES: 544 1072 1120
MOD3		MODJO 1
		REFERENCES: 1072 1120
MOD4		MODJO 2
		REFERENCES: 1072
MOD1		MODOC
		REFERENCES: 1172
MOG	*	MOGADOR
		REFERENCES: 236 405 846
MOG1	*	MOGPO 51
		REFERENCES: 677
MOG2		MOGPO 53
		SEE ALSO: MUA
		REFERENCES: 631
MOI	*	MOISTER
		REFERENCES: 469
MOK		MOKUSEKKO 3
		REFERENCES: 1048
MOL1		MOLDAVIA
		REFERENCES: 697
MOL	*	MOLDAVSKII 12
		REFERENCES: 115 672 1082 1112

CODE		FULL NAME
MOL2		MOLLET
		REFERENCES: 877
MONC	*	MONA
		REFERENCES: 50 145 363 364 608 663 686 695 809 871 872 1077 1087 1131 1200
MON2		MONACHIA
		REFERENCES: 1082
MONA		MONARQUE
		REFERENCES: 236 364 608
MON3		MONCK
		REFERENCES: 469
MONE		MONDAL
		REFERENCES: 608
MON6		MONDE HULL-LESS
		REFERENCES: 469
MONJ	*	MONIX
		REFERENCES: 192
MONB	*	MONLON
		REFERENCES: 236 364 663 737 777
MON7	*	MONRO
		REFERENCES: 469
MONF	*	MONROE
		REFERENCES: 1016 1017 1018 1019
MON4		MONTAGUT 1
		REFERENCES: 1138
MON5		MONTAGUT 2
		REFERENCES: 1138
MON8	*	MONTANA
		REFERENCES: 405 469 503
MONH	*	MONTANA (1981)
		REFERENCES: 846
MON9		MONTANA TWO ROWED
		REFERENCES: 364 469 812
MON	*	MONTCALM
		REFERENCES: 33 95 96 151 153 193 194 199 202 203 206 208 210 211 215 225 226 239 251 252 264 277 303 398 430 464 478 479 480 583 584 586 587 590 605 616 642 643 671 681 682 683 686 749 758 852 864 882 921 997 1001 1015 1023 1082 1096 1163 1170
MON1		MONTE CRISTO
		REFERENCES: 87 100 145 179 190 191 252 290 317 336 337 360 363 378 379 405 453 576 599 608 609 686 695 783 785 809 836 847 862 934 968 1082 1084 1143 1159
MONG		MONTEAGUDO
		REFERENCES: 877
MOND		MONTPELLIER
		REFERENCES: 829
MOO	*	MOORE
		REFERENCES: 166 205 215 369 433 464 478 479 572 632 668 683 852 933 937 939 1154 1170
MOO1		MOORE 515
		REFERENCES: 882 1034
MOO3		MOOSBURGER GEORGINE
		REFERENCES: 275
MOO2		MOOSBURGER RHATIA
		REFERENCES: 695
MORE		MORATA DE JALON
		REFERENCES: 877
MORF		MORATA DE JILOCA
		REFERENCES: 877
MOR5		MORAVIA
		SEE ALSO: HAN2
		REFERENCES: 432 544 1138
MOR		MORAVIAN
		SYNONYMS: NEW2(1170)
		REFERENCES: 23 43 51 252 479 517 682 728 942 1170 1189
MORB	*	MORAVIE S B
		REFERENCES: 102 371
MORD		MORAVSKY NEPOLEHAVA I G B
		REFERENCES: 686
MORG		MORDEN
		REFERENCES: 877

CODE		FULL NAME
MOR3		MOREVALE
		REFERENCES: 51 252 442 1072 1120
MORA	*	MOREX
		REFERENCES: 773 904
MOR2	*	MORGENROT
		REFERENCES: 43 97 252 355 362 364 378 379 428 447 453 460 533 686 695 747 769 777 968 985 1012 1082 1133
MOR6	*	MORILLO DE LIENA 1
		REFERENCES: 1138
MOR7	*	MORILLO DE LIENA 2
		REFERENCES: 1138
MOR8	*	MORISCA 1
		REFERENCES: 1138
MOR9		MORISCA 2
		REFERENCES: 1138
MOR1		MOROCCO
		REFERENCES: 464 686 751 937 939
MOR4		MORRISON
		REFERENCES: 252
MORC		MORSEN
		REFERENCES: 866
MORI		MORTONI
		REFERENCES: 151
MORH		MORUNA
		REFERENCES: 877
MOS	*	MOSANE
		REFERENCES: 23 46 47 86 176 187 190 191 192 230 235 288 311 332 333 364 373 374 524 525 560 686 693 715 1082
MOS1	*	MOSKOVSKII 121
		REFERENCES: 10 51 129 130 145 149 381 389 392 402 403 444 600 601 685 704 705 708 709 733 736 810 811 812 836 893 894 979 1082 1084 1085 1086 1087 1089 1090 1111
MOT	*	MOTANE
		REFERENCES: 236 379 576
MOU1		MOULIN
		REFERENCES: 360
MOU		MOULTAN
		REFERENCES: 469
MOU2		MOUTOT A EPI ROUGE
		REFERENCES: 101
MOY1		MOY WAH
		REFERENCES: 153
MOY	*	MOYAR
		REFERENCES: 364 405 443 608 809 1086
MOZ		MOZDOKSKIJ
		REFERENCES: 877
MUA	*	MUANBORI
		SYNONYMS: MOG2(611)
		REFERENCES: 631 677
MUB		MUBODANGO
		REFERENCES: 800
MUB1		MUBYAN
		REFERENCES: 609
MUC		MUCHI MUGI
		SYNONYMS: MOC1(649)
		REFERENCES: 649
MUG		MUGISH
		REFERENCES: 866
MUG1		MUGIZA
		REFERENCES: 866
MUK		MUKADEMUGI
		REFERENCES: 544
MUL1		MULLER
		REFERENCES: 175 410 783 906 1082
MUL5		MULLERS COLUMBA
		REFERENCES: 145 686 816 998
MUL6		MULLERS FRANKEN
		REFERENCES: 686 816
MUL2	*	MULLERS FRANKEN 2
		SYNONYMS: FRA4(1082)
		REFERENCES: 43 45 361 686 1082

CODE		FULL NAME
MUL3	*	MULLERS FRANKONIA
		SYNONYMS: FRAB(1082)
		REFERENCES: 663 1082
MUL7		MULLERS NEUZUCHT
		REFERENCES: 355
MUL		MULTAN
		REFERENCES: 405 468 471 473 527 686 783 784 786
MUL4	*	MULTUM
		SYNONYMS: QUA1(9999)
		REFERENCES: 145 187 364 405 424 576 608 846 1086
MUL8		MULYAN
		REFERENCES: 1202
MUN1	*	MUNIESA
		REFERENCES: 1138
MUN	*	MUNSING
		SYNONYMS: MAN2(9999)
		REFERENCES: 50 166 252 403 517 584 859 942 1154 1166 1170
MUR2	*	MURASAKI HADAKA
		REFERENCES: 800 1049
MUR		MURASAKI-MOCHI
		REFERENCES: 252 617 783
MUR1		MURSA
		REFERENCES: 364 724 809 1173
MUS	*	MUSASHINOMUGI
		REFERENCES: 539 540 602 628 739 740 832 931 1049 1099
MUT		MUTANTE 66
		REFERENCES: 252
MUT1		MUTATION RUNDKORN
		REFERENCES: 846
MVO		MV OSZI TAKARMANYARPA
		REFERENCES: 870
MV		MV 3
		REFERENCES: 607
MV3		MV 31
		REFERENCES: 871
MV5		MV 37
		REFERENCES: 1110
MV4		MV 41
		REFERENCES: 1110
MV46	*	MV 46
		REFERENCES: 1176
MYL		MYLITTA
		REFERENCES: 364 686
NAB		NABAWI
		REFERENCES: 257 534
NAC1		NACKT-GERSTE 1162
		REFERENCES: 252
NAC		NACKTA
		REFERENCES: 50 183 192 236 363 486 574 801
NAC2		NACKTE BOHMEN
		REFERENCES: 906
NAC4		NACKTGERSTE
		REFERENCES: 574
NAC3		NACKTINA
		REFERENCES: 363 1105
NAD2	*	NADIR
		REFERENCES: 236 576
NAD1		NADJA
		REFERENCES: 674 685 813 1010 1086
NAD		NADWISLANSKI
		REFERENCES: 74 75
NAG		NAGAOKA
		REFERENCES: 252 1041 1046 1047 1049 1192
NAG3		NAGASAKI
		REFERENCES: 1049
NAG2	*	NAGASAKI WASE HADAKA
		REFERENCES: 635 1049
NAG4	*	NAGOYA 12
		REFERENCES: 1049
NAG1		NAGRADOWICE 2
		REFERENCES: 1082
NAI	*	NAIRN
		REFERENCES: 405

CODE		FULL NAME
NAK8		NAKAIZUMI ZAIRAI
		REFERENCES: 483 602 609 761 1049
NAKB		NAKANAT
		REFERENCES: 608
NAK		NAKANO WASE
		REFERENCES: 113 252 367 468 469 475 585 628 721 766 875 996 1075 1170
NAK7		NAKANO WASE 33
		REFERENCES: 783
NAK1	*	NAKANO WASE 58
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NEG1		NEGRA MANFREDI
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NEK		NEKLUDOWI
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NEP6		NEPAL 81
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		REFERENCES: 816
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NEW4		NEW ERA
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NEWA		NEW FORTYFOLD
		REFERENCES: 163
NEW9	*	NEW GOLDEN
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		REFERENCES: 469 1170
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NEWC		NEW UNIVERSAL
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NEWB		NEW ZZ
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NIG7		NIIGATA
		REFERENCES: 1049
NIJ		NIJO
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NIK		NIKAKU CHEVALLIER
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NIL		NILSSON-EHLE NO 2
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NIN		NINA
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NIR8	*	NIRASAKI NIJO 14
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NIR3	*	NIRASAKI 6
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NIT3		NITA HADAKA
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		REFERENCES: 1128
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NIU		NIURBINSKI
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NIV		NIVER
		REFERENCES: 469 783 866
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NIZ		NIZZANIT
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		SEE ALSO: BAR
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		REFERENCES: 1049
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NOL1		NOLC MORAVIA
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NOL3		NOLCS IMPERIAL A
		REFERENCES: 895 1128
NOL4		NOLCS IMPERIAL B
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NOL5		NOLCUV BOHEMIA
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NON	*	NONSANGWA 1-6
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NOR	*	NORD
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NORF		NORDGAARD 96	
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NORI	*	NORDGAARDEN 91	
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NORU	*	NORDGAARDEN 95	
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NORJ	*	NORDGAARDEN 96	
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NOR1	*	NORDIC	
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NORB	*	NORDLYS	
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NORN		NORIN 27	
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NORQ		NORIN 28	
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NORM		NORIN 6	
		REFERENCES: 637 1099	
NOR7		NOROOSTE HANNA	
		REFERENCES: 252 410 686	
NOR8		NORTH CAROLINA HOODED 26	
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NOR9		NORTH PLATTE 1	
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NORD		NORWAY HOUSE	
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NORE		NORWEGIAN	
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NORL	*	NORWIND	
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NP1G		NP 111
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NP1B		NP 113
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NP		NP 2
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NUT1		NUTANS	
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NUU4		NUTANS DAGEST	
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NUTA		NUTANS G-1386	
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NUT9		NUTANS G-80	
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NUTR	*	NUTANS 1898	
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NUTF	*	NUTANS 19	
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NUTH		NUTANS 226	
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NUTT	*	NUTANS 2348	
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NUTX	*	NUTANS 2423	
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OAS		OASIS
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OBE2		OBER-UNGARN
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OBE3		OBERLONGAUNER KNEIFGERSTE P 5
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OC2		OC 277
		REFERENCES: 361
OCH	*	OCHSENHAUSENER RIA
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OD1		OD-17
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		REFERENCES: 236 365
ODEG		ODER RIVER MARSH BARLEY
		REFERENCES: 895
ODE1		ODERBRUCKER
		SEE ALSO: MANB
		SYNONYMS: PED (1170) WIS1(1170) WIS2(1170) WIS4(469)
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            REFERENCES:    390   395   686   687   704   736   882   980 1037 1082 1090
ODE7   *  ODESSA 17
            SYNONYMS:  PALG(   57)
            REFERENCES:    275   393   395   400   536   558   672   736   776   873   888
                           980 1037 1082 1090 1118
ODE8   *  ODESSA 31
            REFERENCES:     34   392   393   558   709   736   873 1082 1090 1118
ODEB   *  ODESSA 36
            REFERENCES:    145   392   393   394   736   842   979   991   992 1084 1085
                          1086 1119
ODE9   *  ODESSA 46
            REFERENCES:    392   393   736   873 1082 1087
ODEK      ODESSA 69
            REFERENCES:    979
ODEJ   *  ODESSA 70
            REFERENCES:    394   979 1103 1112
ODEI      ODESSA 84
            REFERENCES:    686
ODE5   *  ODESSA 9
            REFERENCES:    166   390   400   659   736   882 1037 1082 1084 1090
ODEE   *  ODESSKI 18
            REFERENCES:    390   736 1082 1085
ODEC      ODESSKII
            REFERENCES:    166
ODE4   *  ODESSKII RANNII
            REFERENCES:    558   736 1082 1118
ODEA      ODESSKII 14
            REFERENCES:    874   889
ODED      ODESSKII 8
            REFERENCES:    390
OFI    *  OFIR
            REFERENCES:    145   363   381   608   663   686   809 1131
OGA       OGALITSU
            REFERENCES:     33    83   151   232   234   252   330   399   403   464   626
                          1082 1088
OGR    *  OGRA
            REFERENCES:    364   574   608   769   848
OHI4      OHIN 38
            REFERENCES:   1049
OHI2      OHIO BEARDLESS
            REFERENCES:    469
OHI3      OHIO FALL
            REFERENCES:    827
OHI1      OHIO WINTER
            SEE ALSO:  TEN1
            REFERENCES:    252   469   866
OHI       OHIO 1
            REFERENCES:    628   866 1153 1170
OIS       OISHI
            SEE ALSO:  OOI
            REFERENCES:    690
OIT       OITA-HADAKA
            SEE ALSO:  OOI1
            REFERENCES:    690
OKA       OKAYAMA
            REFERENCES:    540   602   738   832
OKA1   *  OKAYAMA HADAKA 1
            REFERENCES:   1049
OKA2   *  OKAYAMA HADAKA 2
            REFERENCES:   1049
OKI       OKIDAMA
            REFERENCES:    602
OKL    *  OKLAHOMA 1005
            SEE ALSO:  COM1
            REFERENCES:   1170
OKO    *  OKOS
            REFERENCES:    364   848 1013
OKS       OKSAMYT
            REFERENCES:    392 1084 1087
OKU       OKU-SEKITORI
            REFERENCES:    602
OLA    *  OLA
            REFERENCES:    364   574 1176
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CODE		FULL NAME
OLA1		OLANDS
		REFERENCES: 877
OLB		OLBORI
		SEE ALSO: BAR4
		REFERENCES: 628 653 843 844
OLD6		OLD AMBSTER
		REFERENCES: 783 866
OLD4		OLD CAPE BARLEY
		SEE ALSO: CAP2
		REFERENCES: 996
OLD3		OLD CORNISH
		SEE ALSO: CHE1
		SYNONYMS: COR8(89) COR9(89)
		REFERENCES: 89 92 531
OLD2		OLD CORNWALL
		REFERENCES: 531
OLDB		OLD CROMARTY
		REFERENCES: 89
OLD1		OLD IRISH
		SEE ALSO: CHE1
		REFERENCES: 81 89 92 156 469 528 529 530 531
OLD		OLD ISLAND TWO-ROWED
		SEE ALSO: ENG7
		REFERENCES: 199 251 469 479 815 1170
OLD5		OLD MARYLAND
		REFERENCES: 252
OLD8		OLD SCOTCH COMMON 2
		REFERENCES: 89
OLD9		OLD SCOTCH COMMON 3
		REFERENCES: 89
OLDA		OLD SCOTCH COMMON 7
		REFERENCES: 89
OLDC		OLDENBURGER
		REFERENCES: 246 663 686
OLE		OLESENSKY
		REFERENCES: 686
OLI1		OLIMPE
		REFERENCES: 1082
OLI		OLIVEROS LITORAL
		REFERENCES: 38 245 252
OLL	*	OLLI
		SYNONYMS: OLL1(12) WASC(761)
		REFERENCES: 5 13 27 43 50 66 95 96 131 132 166 170 194 199 200 202 203 206 208 210 211 212 217 225 239 251 277 322 433 461 464 479 537 579 608 638 639 683 686 744 759 760 791 816 839 841 879 998 1015 1057 1058 1060 1063 1074 1082 1170
OLL1		OLLINOHRA
		SEE ALSO: OLL
		REFERENCES: 13 252 1106
OLO		OLONETS
		REFERENCES: 469 1015
OLV	*	OLVE
		REFERENCES: 317 364
OLY2	*	OLYMPE
		REFERENCES: 363 608 686 737 846
OLY		OLYMPIA
		REFERENCES: 76 252 866 1170
OMA	*	OMA
		REFERENCES: 77 153 764 1082 1170
OMA1	*	OMAR
		REFERENCES: 469 866
OMB	*	OMBELLE
		REFERENCES: 311 364 405 424 608 846
OMK		OMK 34
		REFERENCES: 1110
OMK1		OMK 52
		REFERENCES: 1110
OMK2		OMK 74
		REFERENCES: 1110
OMS		OMSKII 10664
		REFERENCES: 686 1082 1194

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CODE          FULL NAME

OMS1   *  OMSKII 13709
            REFERENCES:     9   83  129  381  389  704  709  834  882  979  997
                         1037 1076 1082 1095 1096 1097 1099
OMS2      OMSKII 3601
            REFERENCES:   806
OMU       OMUGI
            SEE ALSO:  OOM
            REFERENCES:    38  245  296  297  385  388  522  551  552  553  783
                          851  866 1035 1082
OMU1   *  OMUGI SHIN 1
            SEE ALSO:  OOM1
            SYNONYMS:  REBE(1093)
            REFERENCES:   482  483  690 1049 1080
OMU7      OMUGI SHINANO
            REFERENCES:  1049
OMU9   *  OMUGI 15
            REFERENCES:  1049
OMUA   *  OMUGI 19
            REFERENCES:  1049
OMU2   *  OMUGI 2
            REFERENCES:   544 1049
OMU5      OMUGI 23
            REFERENCES:  1049
OMU6      OMUGI 3
            REFERENCES:  1049
OMU3      OMUGI 49
            REFERENCES:   761
OMU8   *  OMUGI 5
            REFERENCES:  1049
OMU4      OMUGI 83
            REFERENCES:  1049
OMUB      OMUGI 9
            REFERENCES:  1049
OND       ONDA
            REFERENCES:   364
OND1   *  ONDINE
            REFERENCES:   102  354  355  576  663
ONI       ONI HADAKA
            SYNONYMS:  GWI ( 653)
            REFERENCES:   608  653  690 1192
ONI1   *  ONICE
            REFERENCES:   848 1013
ONO1      ONO 1123
            REFERENCES:   636
ONO       ONOKHOISKII 566
            REFERENCES:   645  709  979 1082
ONT       ONTARIO SIX-ROWED
            REFERENCES:   984
ONT1      ONTARIO 21
            REFERENCES:   384
OOI       OOISHI
            SYNONYMS:  OIS (1192)
            REFERENCES:  1192
OOI1      OOITA HADAKA
            SYNONYMS:  OIT (1192)
            REFERENCES:  1192
OOM       OOMUGI
            SYNONYMS:  OMU (1192)
            REFERENCES:  1192
OOM1      OOMUGI SHIN 1
            SYNONYMS:  OMU1(1192)
            REFERENCES:  1192
OPA5   *  OPAL (CZECHOSLOVAKIA 1980)
            REFERENCES:  1128
OPA    *  OPAL (DENMARK 1931)
            REFERENCES:    43   44   92  102  166  167  170  178  307  371  378
                          379  405  450  460  461  519  531  663  669  695  713
                          771  777  779  782  790  836  848  876  916  976  977
                         1012 1027 1064 1079 1082 1170
OPA1      OPAL B
            REFERENCES:    43  378  461  464  531  632  713  836 1082
OPA3   *  OPALE
            REFERENCES:   364 1013
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CODE		FULL NAME
OPA2		OPAVSKII
		SYNONYMS: OPA4(9999)
		REFERENCES: 144 687 1197 1199
OPA4		OPAVSKII KNEIFEL
		SEE ALSO: OPA2
		REFERENCES: 686
OPD		OPDAL
		REFERENCES: 475
ORA1		ORA
		SYNONYMS: REK1(678)
		REFERENCES: 678 960
ORA		ORANGE LEMMA
		REFERENCES: 252 824 825 966 1042 1045 1047
ORA2		ORAZIO
		REFERENCES: 364 998 1013
ORD3		ORDER
		REFERENCES: 1049
ORD		ORDI CABOT
		REFERENCES: 1138
ORD2		ORDI DE SANT ISIDRE
		REFERENCES: 1138
ORD1		ORDI MACETA
		REFERENCES: 1138
ORE2		OREGON
		SEE ALSO: COA
		REFERENCES: 469
ORE1		OREGON MARIOUT
		REFERENCES: 1170
ORE		OREL
		REFERENCES: 200 468 469 471 473 503 566 581 585 703 866 1015 1170
ORE4	*	ORENBURG 35
		REFERENCES: 9 708 979 1085 1086
ORE3		ORES
		REFERENCES: 877
ORF		ORFELLA
		REFERENCES: 996
ORF1		ORFEO
		REFERENCES: 998
ORG3		ORGE A 2 RANGS DE KIRSCHE
		SEE ALSO: KIR2*
		REFERENCES: 43
ORG8		ORGE AMERICAINE 1
		REFERENCES: 102
ORG9		ORGE CARREE DE PRINTEMPS
		REFERENCES: 102
ORGA		ORGE COMMUNE A DEUX RANGS
		REFERENCES: 102
ORG4		ORGE D'HIVER A 4 RANGS
		SEE ALSO: VIE *
		REFERENCES: 43
ORG2		ORGE D'HIVER KIRSCHE
		SEE ALSO: KIR *
		REFERENCES: 43
ORGD		ORGE D'ITALIE
		REFERENCES: 102
ORG1		ORGE D'OR
		SEE ALSO: GOLH* GOL3*
		REFERENCES: 43 102 354
ORGB		ORGE DE CHAMPAGNE
		REFERENCES: 102
ORG		ORGE DE STAF TUNISIE
		SEE ALSO: TUN *
		REFERENCES: 1170
ORGC		ORGE DE SYRIE
		REFERENCES: 102
ORGE		ORGE DU MAROC
		REFERENCES: 102 432
ORGH		ORGE DU PROPHETE
		REFERENCES: 534 768
ORGG		ORGE DU RONZET
		REFERENCES: 354
ORG7		ORGE FOURRAGER
		REFERENCES: 721

CODE		FULL NAME	
ORG5		ORGE MARTIN	
		REFERENCES:	252
ORGF		ORGE ROYS 25	
		REFERENCES:	608
ORG6		ORGE SAIDA	
		REFERENCES:	20 252
ORI	*	ORIOL	
		REFERENCES:	145 363 372 453 608 663 686 763 801 809 928 963 1173 1174 1175
ORI1	*	ORION	
		REFERENCES:	236 391 392 393 659 689 736 873 1087 1103 1104 1118
ORJ		ORJAO	
		REFERENCES:	608
ORT	*	ORTOLAN	
		REFERENCES:	49 94 145 252 363 364 405 453 608 686 801 809 846 928 963 1030 1077 1082 1084 1174
ORZ1		ORZEDOWYGRANUM	
		REFERENCES:	686
ORZ		ORZO LIENGO	
		REFERENCES:	252
OSA		OSA	
		REFERENCES:	381 704 708 1034 1082
OSA2		OSAKA 2	
		REFERENCES:	1049
OSA1		OSAKA 5	
		REFERENCES:	469
OSB		OSBORNE	
		REFERENCES:	252
OSE	*	OSER	
		REFERENCES:	43 45 1082
OSH2		OSHICHI	
		REFERENCES:	153 1042
OSH1		OSHIMAHADAKA	
		REFERENCES:	635 636
OSH		OSHIMAKAN	
		REFERENCES:	613
OSI1		OSIJESKI	
		REFERENCES:	686
OSI2	*	OSIRIS (FRANCE)	
		REFERENCES:	576 663
OSI	*	OSIRIS (GFR)	
		REFERENCES:	145 195 236 252 328 363 364 379 504 608 686 928 1082 1172
OST	*	OSTMARK SCHUL	
		REFERENCES:	743
OST1		OSTRIG	
		REFERENCES:	275
OSW		OSWONG	
		REFERENCES:	285 608 722
OTA	*	OTAL	
		REFERENCES:	193
OTE		OTELLO	
		REFERENCES:	1010
OTH		OTHELLO	
		REFERENCES:	998
OTI	*	OTIS	
		REFERENCES:	118 166 433 517 618 647 648 686 882 942 997 1082 1090 1154 1166 1170
OTL		OTLICNIK 5	
		REFERENCES:	686
OTO		OTOFTE FERO	
		REFERENCES:	531 1132
OTR	*	OTRA	
		REFERENCES:	16 150 193 381 405 639 670 686 709 791 809 891 907 908 1082 1106 1107 1146
OTT2	*	OTTAWA 3092A	
		REFERENCES:	166 393
OTT5		OTTAWA 50	
		REFERENCES:	251
OTT4		OTTAWA 60	
		REFERENCES:	251
OTT	*	OTTERBACHER	
		REFERENCES:	45 686 743 1082

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CODE          FULL NAME

OTT1      OTTO
            REFERENCES:    364 1013
OTT3      OTTONE
            REFERENCES:     51  686
OUC       OUCHAK
            SEE ALSO:  WHI2
            REFERENCES:     82
OWE   *   OWEOLBORI
            REFERENCES:    677
P526  *   P 526
            REFERENCES:    574
P903  *   P 9033
            REFERENCES:   1077
PA1   *   PA 146
            REFERENCES:    405
PA    *   PA 147
            REFERENCES:    405  578
PAA1      PAARL SELECTION
            REFERENCES:    761
PAA   *   PAAVO
            REFERENCES:     16  460  639  686  729  730  791  882  891  907  908
                          1082 1106 1107 1146 1174
PAC   *   PACE
            REFERENCES:     77  764 1170
PAC1  *   PACER
            REFERENCES:    469
PAC2      PACHECO
            REFERENCES:    877
PAD   *   PADSTOW
            REFERENCES:    405  846 1079
PAG       PAGE'S PROLIFIC
            SEE ALSO:  PROC
            REFERENCES:    654
PAJ       PAJBJERG
            SEE ALSO:  KRO
            REFERENCES:    405  531  686
PAJ3      PAJBJERG BINE
            SEE ALSO:  BIN2
PAJ1      PAJBJERG DROST
            REFERENCES:    273 1132 1133 1134
PAJ2      PAJBJERG DROST A
            REFERENCES:    274
PAJ4      PAJBJERG LONE
            SEE ALSO:  LON3
PAJ5      PAJBJERG SALKA
            SEE ALSO:  SAL2
PAJ6  *   PAJBJERG SIRI
            REFERENCES:    846
PAJ7      PAJBJERG ZITA
            REFERENCES:    846
PALJ      PALADIN
            REFERENCES:    486  487
PALA      PALAMPUR
            REFERENCES:    469
PAMN      PALATIA
            REFERENCES:    574
PANA  *   PALDALBORI
            REFERENCES:    677
PAMP      PALENCIA
            REFERENCES:    877
PAL1      PALESTINE
            REFERENCES:    252  285  469  722
PAMM      PALESTINE 10
            REFERENCES:    321  403 1128
PAL       PALLAS
            SYNONYMS:  ERE ( 450) SVA2( 450) SVA3( 450)
            REFERENCES:     23   45   47   92  120  126  170  172  230  255  263
                           284  288  349  363  364  374  378  379  382  394  447
                           450  452  456  457  460  513  514  515  516  524  560
                           687  693  695  715  771  782  809  836  882  928 1077
                          1081 1082 1085 1087 1088 1089 1140 1174
PAL4      PALLIDUM
            REFERENCES:     76  461  699  818  912  948
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CODE		FULL NAME	
PALY	*	PALLIDUM 10664	
		REFERENCES:	652
PALU		PALLIDUM 1068	
		REFERENCES:	652
PALV		PALLIDUM 1142	
		REFERENCES:	652
PALX	*	PALLIDUM 11464	
		REFERENCES:	652
PALW		PALLIDUM 1148	
		REFERENCES:	652
PAMI	*	PALLIDUM 135/3	
		REFERENCES:	1189
PALQ		PALLIDUM 14/1	
		REFERENCES:	558
PAMA		PALLIDUM 14/14	
		REFERENCES:	736
PALR		PALLIDUM 14/31	
		REFERENCES:	558
PAMG	*	PALLIDUM 1411	
		REFERENCES:	111 115 1189
PAMV		PALLIDUM 153	
		REFERENCES:	395
PAL6	*	PALLIDUM 16	
		REFERENCES:	66 400 608 978 1082
PAMK	*	PALLIDUM 164/1	
		REFERENCES:	1189
PALG		PALLIDUM 17	
		SEE ALSO:	ODE7
		REFERENCES:	395 1142
PALZ		PALLIDUM 18	
		REFERENCES:	645 686 704 979
PALH		PALLIDUM 187	
		REFERENCES:	272
PAMR		PALLIDUM 191	
		REFERENCES:	576
PAMX		PALLIDUM 198	
		REFERENCES:	842 1104
PALF		PALLIDUM 205	
		REFERENCES:	736 1118
PALM		PALLIDUM 21	
		REFERENCES:	66
PAMC	*	PALLIDUM 22	
		REFERENCES:	1189
PAME	*	PALLIDUM 2494	
		REFERENCES:	1189
PALO		PALLIDUM 280/7	
		REFERENCES:	66
PAMW		PALLIDUM 281	
		REFERENCES:	395
PALC		PALLIDUM 2929	
		REFERENCES:	1028
PAMH	*	PALLIDUM 310/1	
		REFERENCES:	1189
PAL7	*	PALLIDUM 32	
		REFERENCES:	55 66 390 393 400 1082 1189 1195
PALP		PALLIDUM 330/11	
		REFERENCES:	390
PALB		PALLIDUM 330/2	
		REFERENCES:	65 645
PAMD		PALLIDUM 352	
		REFERENCES:	1189
PALD	*	PALLIDUM 394	
		REFERENCES:	276 1034 1085
PAL5	*	PALLIDUM 4	
		REFERENCES:	1082 1083
PAMY		PALLIDUM 414	
		REFERENCES:	978
PAL8	*	PALLIDUM 43	
		REFERENCES:	67 446 645 699 886 980 1082 1189 1194
PAL9	*	PALLIDUM 45	
		REFERENCES:	29 83 446 645 882 1082 1189 1194
PALL		PALLIDUM 46	
		REFERENCES:	66 115

CODE		FULL NAME	
PAL3		PALLIDUM 48	
		REFERENCES:	252 688 1082 1094
PAMZ		PALLIDUM 491	
		REFERENCES:	978
PAMT		PALLIDUM 596	
		REFERENCES:	80
PAMF		PALLIDUM 629/9	
		REFERENCES:	1189
PAL1		PALLIDUM 666	
		REFERENCES:	166
PAMJ	*	PALLIDUM 761/3	
		REFERENCES:	1189
PAMB		PALLIDUM 803	
		REFERENCES:	736 1189
PALN		PALLIDUM 85	
		REFERENCES:	66
PALT		PALLIDUM 942	
		REFERENCES:	652
PALS		PALLIDUM 945	
		REFERENCES:	652
PAL2	*	PALLISER	
		REFERENCES:	131 213 225 252 1074 1082 1090
PAMS	*	PALMA	
		REFERENCES:	576 846 1084
PALK		PALMELLA BLUE	
		REFERENCES:	403 471 473 1121
PALE	*	PALOMA	
		REFERENCES:	363 663 737 777 980 1086
PAMQ		PALOMARES	
		REFERENCES:	877
PAMO	*	PALOMINO	
		REFERENCES:	192 405 846
PAM		PAMELLA BLUE	
		REFERENCES:	252 379 686 783
PAM7		PAMFER	
		REFERENCES:	877
PAM1		PAMINA	
		REFERENCES:	103 1082
PAM6		PAMMERS VOLLKORN	
		REFERENCES:	686
PAM2		PAMULA DE ARTES	
		REFERENCES:	1138
PAM3		PAMULA DE BORREDA	
		REFERENCES:	1138
PAM4		PAMULA DE SOLSONA	
		REFERENCES:	1138
PAM5		PAMULA DE VICH	
		REFERENCES:	1138
PAN2		PANALTA	
		REFERENCES:	1196
PAN3	*	PANDA	
		REFERENCES:	192 236 405
PAN1		PANDORA	
		REFERENCES:	252 686 783
PAN4		PANJAO	
		REFERENCES:	877
PAN		PANNIER	
		REFERENCES:	24 25 234 252 285 401 436 468 475 626 775 1056
PAO	*	PAOLI	
		REFERENCES:	50 431 850 851 965 987 1103
PAP		PAPHITICO	
		REFERENCES:	252 621
PAR3		PARADISE	
		REFERENCES:	461 656 1136
PAR1	*	PARAGON	
		REFERENCES:	131 221 252 324 588 592 686 1084 1087
PAR7	*	PARALLELIUM 534	
		REFERENCES:	345
PAR2		PARALLELUM	
		REFERENCES:	252
PARA		PARGA	
		REFERENCES:	769

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CODE          FULL NAME

PAR5  *  PARK
           REFERENCES:    352  773
PAR4  *  PARKIN
           REFERENCES:    469
PAR      PARKLAND
           REFERENCES:     30   51   96  118  131  193  194  206  210  218  221
                          223  226  232  239  252  277  283  322  397  413  430
                          464  586  587  588  589  590  591  592  608  619  682
                          698  728  893  902  903  997 1034 1074 1082 1088 1170
                         1179 1183 1184
PARB     PARKUTTA
           REFERENCES:    877
PAR9     PARLA
           REFERENCES:     24
PARC  *  PARTRIDGE
           REFERENCES:    192
PARD     PARUN
           REFERENCES:    275
PAR6     PARVO
           REFERENCES:     51
PAR8  *  PARWAN
           REFERENCES:    663 1012
PAS1     PASHA
           REFERENCES:    783
PAS5     PASHKI
           REFERENCES:    275
PAS3  *  PASO
           REFERENCES:    504  527
PAS2  *  PASTEUR
           REFERENCES:    102  378  576  663
PAS4     PASTRIZ
           REFERENCES:    877
PAS      PASVOLSKI
           REFERENCES:    252
PAT1  *  PATRICK
           REFERENCES:    405
PAT   *  PATTY
           REFERENCES:    190  191  192  236  331  364  663
PAU   *  PAULA
           SYNONYMS:  PROB(1082) PRO8(1082)
           REFERENCES:    378  576  686 1008 1082
PAU3     PAULI
           REFERENCES:    363
PAU1  *  PAULINE
           REFERENCES:    145  364  608  663  686  757  809  848
PAU2  *  PAUMELLE
           REFERENCES:    102
PAV1     PAVI AMERICKY
           REFERENCES:    686
PAV      PAVLOVEKY
           REFERENCES:     34  115  628  687
PEA1     PEACOCK
           SYNONYMS:  BAT1( 654) FAN ( 654) FUL1( 654) PUT1( 654) SPR5( 654)
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           REFERENCES:    252  469  654  895
PEA2     PEARL
           SEE ALSO:  COML
           REFERENCES:    654
PEA   *  PEATLAND
           REFERENCES:      3   24   27   95   96  153  166  200  206  207  208
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PED1     PEDIGREE 38
           SEE ALSO:  WIS   WIS5
           REFERENCES:    205  679  682 1170
PED      PEDIGREE 5
           SEE ALSO:  ODE1
           REFERENCES:   1170
PEE      PEERLESS WHITE
           REFERENCES:    469
PEG1     PEGASIS
           SEE ALSO:  ELG
           REFERENCES:    405  846
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PEG	*	PEGUIS	
		REFERENCES:	226 364 686
PEK		PEKING	
		REFERENCES:	315
PEL2	*	PELHAM	
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PEL	*	PELLA	
		REFERENCES:	85 87 178 190 191 236 311 334 364 560 574 608 809
PEL1		PELLOPONNES	
		REFERENCES:	1082
PEM		PEMBROKE	
		REFERENCES:	81
PEN4	*	PEN	
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PEN1		PENDEK	
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PEN3	*	PENDO	
		REFERENCES:	1140
PEN2		PENDO PAJBJERG	
		REFERENCES:	249
PEN	*	PENNRAD	
		REFERENCES:	252 561 581 728 748 861 1082
PEP		PEPHITICO	
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PEP1	*	PEPITE	
		REFERENCES:	236 405 1130
PER3	*	PERAGIS	
		REFERENCES:	34 76 115 246 355 410 531 574 663 783 816 906 1177
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PER7		PERAGIS 12	
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PER6		PERAGIS 12 MELIOR	
		REFERENCES:	42 248 574 663 961
PERN		PERAGIS 409	
		REFERENCES:	361
PERK		PERAGIS 6/7	
		REFERENCES:	686
PER8		PERBETEI	
		REFERENCES:	252
PERP		PERDIGUERA	
		REFERENCES:	877
PERG		PEREDOVOI	
		REFERENCES:	806 1136
PERQ		PERESTEGI 3	
		REFERENCES:	877
PERL		PERESZTEGI	
		REFERENCES:	686
PERR		PERESZTEGI 30	
		REFERENCES:	10 1110
PERM		PERESZTEGI 8	
		REFERENCES:	686
PERD	*	PERFEKTA	
		REFERENCES:	47 53 608 809 1009 1082 1135 1152
PERB	*	PERGA	
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PERE		PERM	
		REFERENCES:	469 1015
PERH		PERNILLA	
		REFERENCES:	364
PER4	*	PEROGA	
		REFERENCES:	30 51 94 183 809 928 1026 1036 1082 1105 1173
PERO		PEROLINA	
		REFERENCES:	403
PER1	*	PERORGE	
		REFERENCES:	363 576 608 663 686
PERF	*	PERRY	
		REFERENCES:	868
PER9		PERSIA	
		REFERENCES:	252 654

CODE		FULL NAME	
PERA		PERSICUM 64	
		REFERENCES:	252 446 608 645 882 979 980 1037 1082 1085 1087 1189
PER2	*	PERTH	
		REFERENCES:	196 197 326 364 642 686 924 925 1178
PERJ	*	PERTTU	
		REFERENCES:	639 791 841
PER5		PERTUNOHRA	
		REFERENCES:	1106
PER		PERU	
		REFERENCES:	23 76 153 285 403 469 474 722
PER1		PERUVIAN	
		REFERENCES:	76 252 285 403 408 469 474 486 503 721 722 783 937 939 1014 1082 1088 1151
PERS		PERUVIAN 19	
		REFERENCES:	504
PES1		PESHWAR	
		REFERENCES:	829
PES2		PESQUEIRA DRUCO	
		REFERENCES:	877
PES		PESTER-BODEN	
		REFERENCES:	654
PET		PETKUS	
		REFERENCES:	461
PET3		PETRA	
		REFERENCES:	364
PET2		PETRO	
		REFERENCES:	469
PET1		PETSCHORA	
		REFERENCES:	469 1015
PFA1		PFALZER	
		SEE ALSO:	HAU
		REFERENCES:	895
PFA		PFAUENGERSTE	
		SEE ALSO:	PEA1*
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PFL	*	PFLUGS INTENSIV	
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PHI		PHILIP	
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PHI1		PHITICO	
		REFERENCES:	622
PHO	*	PHOENIX	
		REFERENCES:	469 654
PHO1		PHOENIX VON THALEN	
		REFERENCES:	469
PHO2		PHOSON	
		REFERENCES:	469
PI		PI	
		REFERENCES:	628
PIA1		PIAST	
		REFERENCES:	686 1010
PIA	*	PIATTI	
		REFERENCES:	43 45 1082
PIC1	*	PICCOLO	
		REFERENCES:	190 191 192 331 364 424 608 663 686 846 1176
PIC		PICKETT	
		REFERENCES:	252
PID	*	PIDOR	
		REFERENCES:	469 503 628 866
PIE		PIEDMONT	
		REFERENCES:	252 783 797
PII	*	PIIKKIO	
		SYNONYMS:	PUK (16)
		REFERENCES:	639 791 841
PIK	*	PIKE	
		REFERENCES:	849
PIL		PILLSBURY	
		REFERENCES:	95 205 232 252 381 1170
PIL1		PILSEN	
		REFERENCES:	469
PIN2		PINEL	
		REFERENCES:	877

CODE		FULL NAME
PIN3		PINGAL REFERENCES: 877
PIN1		PINNA REFERENCES: 686
PIN	*	PINTANO REFERENCES: 1138
PIO1	*	PIONEER (PRE 1925) SEE ALSO: PIO REFERENCES: 469 485
PIO	*	PIONEER (UK 1943) SYNONYMS: PIO1(9999) REFERENCES: 42 43 45 90 91 92 165 167 168 169 170 175 176 190 191 241 252 263 284 307 308 334 454 523 525 531 559 560 574 608 725 976 1082 1172
PIO3	*	PIONER (BULGARIA 1968) REFERENCES: 860
PIO2		PIONER (USSR PRE 1936) REFERENCES: 66 275 1189
PIP	*	PIPIT REFERENCES: 405 846
PIR6	*	PIRATE REFERENCES: 190 191 192 236 364 846 1130
PIR4	*	PIRI SYNONYMS: PIR1(9999) REFERENCES: 145 686 737 846 1082
PIR1		PIRI-DESPREZ SEE ALSO: PIR4 REFERENCES: 334 576 846
PIR2	*	PIRKKA REFERENCES: 16 43 47 50 58 152 168 252 304 412 443 600 601 638 639 686 704 709 787 791 808 882 891 893 894 907 908 997 1001 1037 1074 1082 1090 1106 1107 1146 1177
PIR3	*	PIROL REFERENCES: 45 75 168 170 361 453 663 686 695 698 809 946 1082 1158
PIR	*	PIROLINE SYNONYMS: HEJ1(9999) REFERENCES: 18 43 45 47 97 99 100 168 176 190 191 192 210 235 236 252 283 333 358 361 363 364 365 380 453 464 524 576 651 677 686 728 737 747 771 773 777 782 808 822 836 878 882 1012 1082 1088 1134 1150 1158 1166 1167 1177 1196
PIR5	*	PIROUETTE REFERENCES: 50 187 364 424 663 809 1077 1086 1174 1175
PIR7		PIRTHYJARVEN REFERENCES: 123
PIS		PISARECKY REFERENCES: 686
PLA	*	PLAINS REFERENCES: 17 118 166 252 415 433 476 668 1154 1170
PLA5	*	PLAISANT REFERENCES: 192 236 364 846
PLA1	*	PLASENCIA DE JALON 1 REFERENCES: 1138
PLA2	*	PLASENCIA DE JALON 2 REFERENCES: 1138
PLA3	*	PLASENCIA DE JALON 3 REFERENCES: 1138
PLA4	*	PLASENCIA DE JALON 4 REFERENCES: 1138
PLA6		PLATA REFERENCES: 455
PLAC		PLATEN REFERENCES: 576
PLA7		PLATEN 2349 REFERENCES: 42 574
PLAA		PLATEN 382 REFERENCES: 98
PLAB		PLATEN 383 REFERENCES: 98
PLA9		PLATEN 49 REFERENCES: 98 846

CODE		FULL NAME
PLA8		PLATEN 672 REFERENCES: 98
PLE	*	PLENA REFERENCES: 30 75 320 459 673 674 687 836 967 1014 1082 1090
PLE1	*	PLENUM REFERENCES: 54 364 663 686
PLO		PLONGSTRUP 544 REFERENCES: 531 1132
PLU3	*	PLUMAGE SYNONYMS: BEA5(81) REFERENCES: 81 89 97 102 111 156 252 469 523 531 532 695 725 790 996 1012 1082
PLU1	*	PLUMAGE ARCHER SYNONYMS: PLU4(531) PLU5(531) PLU6(531) PLU7(531) REFERENCES: 33 43 45 63 72 81 89 90 91 92 97 102 156 164 165 167 168 169 170 190 191 241 252 255 295 301 332 355 379 423 461 505 523 530 531 532 593 632 686 695 725 770 771 790 831 836 846 909 910 976 977 1012 1066 1071 1079 1082 1098 1121 1139 1172
PLU4	*	PLUMAGE ARCHER 1914 SEE ALSO: PLU1 REFERENCES: 81 295 531
PLU8		PLUMAGE ARCHER 1924 REFERENCES: 81 484 1071
PLU5	*	PLUMAGE ARCHER 1935 SEE ALSO: PLU1 REFERENCES: 167 531 976 1079
PLU9		PLUMAGE ARCHER 25/1 REFERENCES: 167 1079
PLU6	*	PLUMAGE ARCHER 43 SEE ALSO: PLU1 REFERENCES: 295 531
PLU7	*	PLUMAGE ARCHER 68 SEE ALSO: PLU1 REFERENCES: 531
PLU2		PLUMAGE KORN REFERENCES: 531
PLUA		PLUMAGE 63 REFERENCES: 89
PLU	*	PLUSH REFERENCES: 27 153 198 199 200 234 251 288 461 464 479 527 584 586 590 616 686 759 816 839 864 1015 1071 1163 1170
POC		POCHA PRAECOX 20 REFERENCES: 252
POC1		POCK REFERENCES: 403
POD		PODA REFERENCES: 285 469 474
POD1		PODOLSKII 8 REFERENCES: 57
POI1		POIPORO PENDO REFERENCES: 1036
POI	*	POISK REFERENCES: 987 989 1010
POK		POKROVSKI REFERENCES: 252
POL2		POL REFERENCES: 908
POL1		POLAND REFERENCES: 252 461 566 628 703 866 1153
POL5		POLAR REFERENCES: 469 1015
POL		POLDERS REFERENCES: 866 1005 1170
POL8		POLESSKII REFERENCES: 345 686
POL9	*	POLKA REFERENCES: 405 846
POL6	*	POLNOCNY SWHN REFERENCES: 656

CODE		FULL NAME
POL7		POLONG
		REFERENCES: 783
POL3		POLTAWA
		REFERENCES: 252 628 783 866
POL4	*	POLYARNYI 14
		REFERENCES: 381 645 704 787 882 932 979 1001 1082 1083 1089 1195
POM2		POMERANIAN
		REFERENCES: 654
POM1		POMMER NORDLAND WINTER BARLEY
		REFERENCES: 461
POM	*	POMO
		REFERENCES: 16 58 608 686 729 730 791 809 891 907 908 1107
PON2	*	PONOTE
		REFERENCES: 45 101 357 358 576 686 1082
PON1	*	PONTIAC
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PON		PONTIUS
		REFERENCES: 252 285 469
POP1		POPELINE
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POP2		POPITICO
		REFERENCES: 608
POP		POPPENHEIM
		REFERENCES: 469
POR3		POREE
		REFERENCES: 608 866
POR5		PORTA
		REFERENCES: 686
POR4	*	PORTER
		REFERENCES: 191 192 654 846
POR	*	PORTHOS
		REFERENCES: 186 187 190 236 311 364 426 686 1143 1178
POR1		PORTUGUESE
		REFERENCES: 469
POR2		PORVENIR
		REFERENCES: 50 455 608
POS		POSTOLOPRTSKY NO 5
		REFERENCES: 102
PRA2		PRAECOCIUS
		REFERENCES: 76 102 355
PRA		PRAECOX
		REFERENCES: 66 523 531 725
PRA1		PRAGUE
		REFERENCES: 469
PRA3	*	PRATO
		REFERENCES: 956
PREE		PRECOCE DE NOLC DREGER
		REFERENCES: 102
PRE3		PRECOCE DU MAROC
		REFERENCES: 252
PREB	*	PRECOCE LEPEUPLE
		REFERENCES: 235 236 364 608 663 737 777
PRE7	*	PRECOCIUS 143
		REFERENCES: 93 389 446 709 997 1082 1087 1088 1090 1101 1189
PREC		PRECOZ
		REFERENCES: 50
PRE8		PRECOZ DE ERRO (A)
		REFERENCES: 1138
PRE9		PRECOZ NO 22 (A)
		REFERENCES: 1138
PREA		PRECOZ NO 22 (B)
		REFERENCES: 1138
PRE1	*	PREFECT
		REFERENCES: 45 165 252 275 454 461 531 618 686 725 760 1172
PRE4	*	PRELUDE
		REFERENCES: 145 252 608 737 777 1082
PRED		PREMIERE A BARBES LISSES 2
		REFERENCES: 102

CODE		FULL NAME
PRE2	*	PRENTICE
		SYNONYMS: DAN2(531) DAN6(469) PRIA(9999) TYS (531) TYS1(82)
		REFERENCES: 76 81 89 97 167 252 301 469 523 529 530 531 532 546 663 695 713 777 778 895 916 917 976 977 1079
PREG		PRESSBURGER
		REFERENCES: 654
PRE	*	PRESTO
		REFERENCES: 166 205 252 663 1034 1082
PRE5		PRESTON
		REFERENCES: 252
PREF		PREUSSICHE
		REFERENCES: 115
PRE6		PREVOST
		REFERENCES: 252
PRI6		PRIDE OF DAKOTA
		REFERENCES: 252
PRI9		PRIEKULSKII 1
		REFERENCES: 329 381 979 1082
PRIP	*	PRIKUMSKII 14
		REFERENCES: 979
PRI	*	PRILAR
		REFERENCES: 51 252 663 728 879 885
PRIF	*	PRIM
		REFERENCES: 187 311 364 846
PRIB	*	PRIMA
		SYNONYMS: ACKM(663)
		REFERENCES: 42 47 608 1082 1174
PRIJ		PRIMA DONNA
		REFERENCES: 654
PRI8		PRIMO
		REFERENCES: 1029
PRI1	*	PRIMUS (SWEDEN)
		SYNONYMS: PRIN(9999) SVAK(9999)
		REFERENCES: 89 102 112 314 355 378 461 469 663 827 841 885 1092 1106 1136
PRIN	*	PRIMUS (USA 1966)
		SEE ALSO: PRI1
		REFERENCES: 42 252 647 648 884
PRIL		PRIMUS OERLIKON
		REFERENCES: 686
PRI2	*	PRIMUS 2 (SWEDEN)
		SYNONYMS: PRIO(9999)
		REFERENCES: 314 461 818
PRIO	*	PRIMUS 2 (USA 1968)
		SEE ALSO: PRI2
		REFERENCES: 232 252 647 648 884 1193
PRIC		PRINCE EDWARD
		REFERENCES: 469
PRI4	*	PRINCESS
		REFERENCES: 89 102 252 285 432 469 484 531 713 767 827 917 996 1082
PRI5	*	PRINCESS 2
		REFERENCES: 531 713 1092
PRID	*	PRINTA
		REFERENCES: 187 190 191 192 311 364 424 608 809 846 1077 1176 1178
PRIA	*	PRINTECE
		SEE ALSO: PRE2
		REFERENCES: 836 1082
PRI3		PRIOR
		SYNONYMS: AUS2(15) PRY1(9999)
		REFERENCES: 51 79 138 139 140 141 380 505 510 608 618 620 637 663 744 750 752 753 770 878 879 909 910 913 915 916 976 1012 1025 1049 1071 1082 1090 1098 1148 1149
PRIH	*	PRIOR A
		REFERENCES: 48 363 912 1012
PRIM		PRIOR SUTTON
		REFERENCES: 432
PRII		PRIOR'S CHEVALLIER
		REFERENCES: 1012
PRIE	*	PRISCA
		REFERENCES: 364 405 663 686 1077

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CODE          FULL NAME

PRIK   *  PRIVER
            REFERENCES:    236  576
PRI7      PRIZE PROLIFIC
            SYNONYMS:  CAR3( 469)
            REFERENCES:    252  469
PRIG      PRIZYV
            REFERENCES:    989
PROX      PROBE
            REFERENCES:    877
PRO4   *  PROBSTDORF
            SEE ALSO:  TSC1
            REFERENCES:     20   43   90   98  101  102  235  236  237  252  354
                           355  356  357  358  359  360  363  371  608  663  777
                           917 1082
PRP       PROBSTDORF 688
            REFERENCES:    846
PROD      PROBSTDORFER ADORA
            REFERENCES:     54  364
PROJ   *  PROBSTDORFER BELLUNA
            REFERENCES:    663  809
PRO9      PROBSTDORFER EURA
            REFERENCES:    809 1009 1135
PROB   *  PROBSTDORFER EURA 2
            SEE ALSO:  EUR4
            REFERENCES:     47   53   54 1082 1135 1152
PROE   *  PROBSTDORFER IDOLA
            SYNONYMS:  IDO (9999)
            REFERENCES:     54  364  663
PROV      PROBSTDORFER KLARA
            REFERENCES:    686
PROG   *  PROBSTDORFER MASSA
            REFERENCES:     54  364  663
PRO8      PROBSTDORFER PAULA
            SEE ALSO:  PAU
            REFERENCES:     53 1082 1152
PROH   *  PROBSTDORFER ROBUSTA
            SYNONYMS:  ROB3(9999)
            REFERENCES:     54  364  663
PROI   *  PROBSTDORFER SIGNAL
            REFERENCES:    663  686  809
PRO3   *  PROBSTDORFER SOLA
            REFERENCES:     53  334  686 1009 1082 1135 1152
PROF   *  PROBSTDORFER UTA
            REFERENCES:     54  364  663
PRO7      PROBSTDORFER VIENNA
            SEE ALSO:  VIE1
            REFERENCES:     45 1008 1009
PROL      PROBSTDORFER VIERZEILIGE
            REFERENCES:     53   54  628
PROK      PROBSTDORFER 2 ROW
            REFERENCES:     54
PROA      PROBSTDORFER 4 ROW
            REFERENCES:    809 1135 1152
PROS      PROBSTIER
            REFERENCES:    654  875  895
PRO2   *  PROCTOR
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                           186  187  189  209  229  241  249  252  253  254  255
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                          1173 1177 1188 1196 1197 1208
PRO5      PROF. SCHIEMANN
            REFERENCES:    232  686  723  998
PROO      PROFESSEUR DAMSEAUX
            REFERENCES:    102  237  354  355  378
PROP      PROFESSEUR TSCHERMAK
            REFERENCES:    102
PROR      PROKUPKUV NAHY
            REFERENCES:     94  686
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CODE		FULL NAME
PROC		PROLIFIC SYNONYMS: PAG (654) WRI1(469) REFERENCES: 469 654 917
PROM		PROMESA REFERENCES: 50 578 608 934
PROW		PROMISE REFERENCES: 87 374
PROQ		PROMOSA REFERENCES: 23
PRP1		PRONGHORN REFERENCES: 504
PROT		PROOST REFERENCES: 757
PRO6		PROSKOWETZ REFERENCES: 252 469
PRON	*	PROSKOWETZ HANA REFERENCES: 363 663 684 685 687 743 1128
PROZ		PROSKUVTSUV REFERENCES: 710
PRO1	*	PROSPECT SYNONYMS: SAN2(1170) REFERENCES: 27 198 199 251 252 479 584 686 759 816 864 1015 1170
PROU	*	PROTIDOR REFERENCES: 236 576
PRO	*	PROVOST REFERENCES: 43 45 167 168 169 170 254 255 256 301 686 780 1082 1164
PRY1		PRYOR SEE ALSO: PRI3 REFERENCES: 51 461 725 761 1121
PRY		PRYOR'S CHEVALIER REFERENCES: 81 89
PSA		PSAKNON REFERENCES: 21 135 252 379 403 609 686 721 783 784 968 1051
PTI		PTILI REFERENCES: 275
PTS		PTS 57 REFERENCES: 233
PUC		PUCKI REFERENCES: 656
PUD		PUDMERICKY PIVOVAR REFERENCES: 686
PUE1		PUEBLA REFERENCES: 50
PUE		PUEBLO REFERENCES: 252 1170
PUK		PUKKIONOHRA SEE ALSO: PII REFERENCES: 1106
PUL		PULAWSKI REFERENCES: 252
PUL1	*	PULAWSKI BROWARNY 246 REFERENCES: 656 686
PUL2	*	PULAWSKI BROWARNY 267 REFERENCES: 656
PUL3	*	PULAWSKI 9 REFERENCES: 74 75 656
PUM	*	PUMPER 6-ROW SYNONYMS: PUM2(9999) SEC1(63) REFERENCES: 663 1135 1152
PUM1		PUMPER 7 REFERENCES: 998
PUM2		PUMPERGERSTE SEE ALSO: PUM REFERENCES: 574 663
PUM3		PUMPERGERSTE ALT1 REFERENCES: 686
PUN		PUNJAB REFERENCES: 252
PUR9	*	PURCELL REFERENCES: 508 686

CODE		FULL NAME	
PUR8		PURDUE	
		REFERENCES:	628 926
PUR1		PURDUE 1101	
		REFERENCES:	159 160 161 368 581 850 1170
PUR		PURDUE 21	
		REFERENCES:	160 252 849 866 1185 1186
PUR2		PURDUE 400-17	
		REFERENCES:	159 160 161 581 1170
PUR4		PURPLE BARLEY WHEAT	
		REFERENCES:	996
PUR5		PURPLE BRED	
		REFERENCES:	252 1002
PUR6		PURPLE HULLESS	
		REFERENCES:	252
PUR3		PURPLE NEPAL	
		REFERENCES:	252 285 722 937 939
PURA		PURPLE NUDUM	
		REFERENCES:	783
PUR7		PURPOSCO	
		REFERENCES:	469 1015
PUS		PUSA	
		REFERENCES:	75 767 996 1121
PUS1		PUSHKINSKII	
		REFERENCES:	714
PUS2		PUSKIN	
		REFERENCES:	881
PUT1		PUTNEY	
		SEE ALSO:	PEA1
		REFERENCES:	654
PUT		PUTZA	
		REFERENCES:	232 555
PYA		PYASIT	
		REFERENCES:	813
PYR		PYRAMIDATUM 480	
		REFERENCES:	166
QUA	*	QUANTUM	
		REFERENCES:	10 53 252 405 686 707 809 1009 1077 1082 1090 1135 1152
QUA1		QUANTUM PLUS	
		SEE ALSO:	MUL4
		REFERENCES:	51 54 145 364 663 686 809 1086 1135
QUA2	*	QUARTER AWNED ATLAS	
		REFERENCES:	405
QUE		QUEENS	
		REFERENCES:	252 783
QUI		QUINN	
		REFERENCES:	11 153 232 285 366 403 408 527 555 556 686 721 783 847 937 939 940 985 1082 1151 1164
QUI1		QUITEPEC	
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		REFERENCES:	574
RAB		RABAT	
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RAB1		RABUR	
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RAC	*	RACHEL	
		REFERENCES:	364 663
RAD5		RADBORSKY	
		REFERENCES:	686
RAD6		RADBORSKY EXPORT	
		REFERENCES:	686
RAD8		RADI 2	
		REFERENCES:	361
RAD	*	RADIGUERO NO 1	
		REFERENCES:	1138
RAD1	*	RADIGUERO NO 2	
		REFERENCES:	1138
RAD2	*	RADIGUERO NO 3	
		REFERENCES:	1138
RAD3	*	RADIGUERO NO 4	
		REFERENCES:	1138

CODE		FULL NAME	
RAD4		RADOSINSKY	
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RAD9		RADOSINSKY EXPORTINI	
		REFERENCES:	1128
RAD7		RADOSINSKY SLADARSKY	
		REFERENCES:	686 1128
RAF		RAFINER	
		REFERENCES:	628
RAG1	*	RAGLAN	
		REFERENCES:	364
RAG		RAGUSA	
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RAG4		RAGUSA B	
		REFERENCES:	777
RAG2		RAGUSA 14	
		REFERENCES:	777
RAG3		RAGUSA 37	
		REFERENCES:	777
RAG5		RAGUSA 416	
		REFERENCES:	1084
RAG6		RAGUSA 420	
		REFERENCES:	686
RAJ1		RAJCKI NAGI	
		REFERENCES:	705
RAJ	*	RAJSKI	
		REFERENCES:	94 412 656
RAK1		RAKA 1	
		REFERENCES:	232
RAK		RAKETE	
		REFERENCES:	400
RAM4		RAMAD	
		REFERENCES:	154
RAM3		RAMADA	
		REFERENCES:	783
RAM2	*	RAMONA	
		REFERENCES:	187 424 608 663 757 809 1175
RAM1		RAMOSA	
		REFERENCES:	364
RAM		RAMSEY	
		REFERENCES:	252
RAN1		RANANDO	
		REFERENCES:	1088
RAN		RANDOLPH	
		REFERENCES:	252 315 783 866
RAN2		RANGJUBORI	
		REFERENCES:	628 783 866
RAP2	*	RAPID	
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RAP	*	RAPIDAN	
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RAP1		RAPUR	
		REFERENCES:	783
RAS1		RASPA COMUN 1085	
		REFERENCES:	252
RAS2		RASPA PRECOZ 604	
		REFERENCES:	252
RAS		RASPUT	
		REFERENCES:	858 1015
RAS3	*	RASSVET	
		REFERENCES:	1036
RAT1		RATH-RIPE	
		REFERENCES:	772
RAT3		RATHIA	
		REFERENCES:	663
RAT		RATISBONA	
		REFERENCES:	906
RAT2		RATNA	
		REFERENCES:	68 535 994
RAY1		RAY	
		REFERENCES:	618
RAY		RAYSTON	
		REFERENCES:	433 618 686

CODE		FULL NAME
RAZ		RAZZA
		REFERENCES: 531
RAZ1		RAZZA 27
		REFERENCES: 102 378
RD4		RD 42
		REFERENCES: 233
REA		READING
		REFERENCES: 654
REA1		REAL
		REFERENCES: 365
REBA		REB 164
		REFERENCES: 578
REBB		REB 182
		REFERENCES: 578
REBC		REB 214
		REFERENCES: 578
REB		REB 231
		REFERENCES: 108
REB1		REB 233
		REFERENCES: 108
REBD		REB 251
		REFERENCES: 578
REBE		REB 264
		SEE ALSO: OMU1
		REFERENCES: 578 1080
REBF		REB 307
		REFERENCES: 578
REBG		REB 317
		REFERENCES: 578
REBH		REB 343
		REFERENCES: 578
REBI		REB 465
		REFERENCES: 578
REB5		REB 47
		REFERENCES: 578
REBN		REB 501
		SEE ALSO: GUI3
		REFERENCES: 1080
REBJ		REB 561
		REFERENCES: 578
REB2		REB 562
		REFERENCES: 108
REBK		REB 568
		REFERENCES: 578
REBL		REB 569
		REFERENCES: 578
REBM		REB 570
		SEE ALSO: HEN
		REFERENCES: 578 1080
REB6		REB 65
		REFERENCES: 578
REB7		REB 76A
		REFERENCES: 578
REB8		REB 76B
		REFERENCES: 578
REB9		REB 77
		REFERENCES: 578
REB3	*	REBEKKA
		REFERENCES: 54 364 663
RED2		RED RIVER
		REFERENCES: 469 1202
RED1		RED 10
		REFERENCES: 1082
RED		REDFIELD
		REFERENCES: 252
REE	*	REED TRIUMPH
		SEE ALSO: TRI5
		REFERENCES: 252 469 712
REF1		REFLEKS
		REFERENCES: 686
REF	*	REFOMA
		REFERENCES: 1082 1084
REF2		REFSUM
		REFERENCES: 275

CODE		FULL NAME
REG	*	REGAL
		REFERENCES: 1 2 27 198 199 200 213 251 461 464 477 479 490 491 616 668 759 839 1015 1163 1170
REG3	*	REGENT
		REFERENCES: 190 191 192 663
REG1	*	REGIA
		REFERENCES: 190 191 574 689 809 1030 1105
REG2	*	REGINA
		REFERENCES: 608 663 686 737 777 846
REI1	*	REINETTE
		REFERENCES: 236 576
REK		REKA 1
		REFERENCES: 403 556 608 745 847 937 939 985 1151
REK1		REKORD
		SEE ALSO: ORA1
		REFERENCES: 34 291 678
REN3	*	RENDO
		REFERENCES: 405 846
REN4		RENDOX VADA
		REFERENCES: 129 130
REN1	*	RENE GUILLEMART
		SYNONYMS: GUI (1082)
		REFERENCES: 43 45 252 354 355 357 358 361 686 1082
REN2		RENNIE IMPROVED
		REFERENCES: 469
REN	*	RENO
		REFERENCES: 41 315 316 360 368 431 461 496 502 552 579 580 628 727 746 866 1038 1108 1109 1154 1170
REP	*	REPITE
		REFERENCES: 846
RES	*	RESEARCH
		REFERENCES: 23 63 139 140 141 252 285 286 405 618 725 744 770 814 879 909 910 976 1071
RES1	*	RESIBEE
		REFERENCES: 30 138 141 252 752 882 909 910 1082 1090
RES2		RESISTA
		REFERENCES: 1014
RET1		RETEMA
		SEE ALSO: COML
		REFERENCES: 654
RET2	*	RETKUS 1/64
		REFERENCES: 846
RET		RETU
		REFERENCES: 783
REX	*	REX
		REFERENCES: 27 76 198 199 212 251 461 479 491 517 584 686 710 759 816 839 864 1015 1082 1163 1170
REX1		REX DE ABED
		REFERENCES: 102
REX2		REXLING
		REFERENCES: 102
RHA		RHATIA
		REFERENCES: 102 906 1092
RHA1		RHATIA 2
		REFERENCES: 102
RHO		RHODESIA
		REFERENCES: 252
RIA		RIALTO
		REFERENCES: 783
RIB1	*	RIBARI
		REFERENCES: 405 1102
RIB2		RIBEKA
		REFERENCES: 880
RIB		RIBLETT
		REFERENCES: 252
RIB3		RIBOFARDO
		REFERENCES: 504
RIC		RICARDO
		REFERENCES: 143 252 361 408 411 464 486 599 609 686 783 785 836 847 937 939 1014 1088 1131
RIC9		RICE
		REFERENCES: 866
RICA		RICHARDSONS CHEVALLIER
		REFERENCES: 895

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RIC1	*	RICLA 2
		REFERENCES: 1138
RIC2	*	RICLA 3
		REFERENCES: 1138
RIC3	*	RICLA 4
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RIC4	*	RICLA 5
		REFERENCES: 1138
RIC5	*	RICLA 6
		REFERENCES: 1138
RIC6	*	RICLA 7
		REFERENCES: 1138
RIC7	*	RICLA 8
		REFERENCES: 1138
RIC8	*	RICOTENSE G-45
		REFERENCES: 1189
RID	*	RIDAWN
		REFERENCES: 512
RIE	*	RIEGEL
		REFERENCES: 916
RIE2		RIESER A
		REFERENCES: 102
RIE1		RIESER C
		REFERENCES: 906
RIF	*	RIF
		REFERENCES: 186 192
RIG	*	RIGEL
		SYNONYMS: ABE9(846)
		REFERENCES: 16 63 405 531 618 639 663 760 791 976 1064 1079 1085 1086 1132 1133 1146
RIG1		RIGID
		REFERENCES: 469
RIK	*	RIKA
		SYNONYMS: HER1(244) WEIA(249)
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RIK1		RIKA 2
		REFERENCES: 871
RIK4		RIKA 21
		REFERENCES: 408
RIK3		RIKA 7
		REFERENCES: 403 408
RIK2		RIKOTE
		REFERENCES: 24
RIK5	*	RIKUZENMUGI
		REFERENCES: 1049
RIM		RIMPAUS HANNA
		REFERENCES: 875 895 906
RIN5	*	RINGVE
		REFERENCES: 405 443
RIN		RINIKEN
		SYNONYMS: RIN1(148)
		REFERENCES: 98 147 252 628 734 1002
RIN1		RINIKER
		SEE ALSO: RIN
		REFERENCES: 148 820
RIN4		RINN
		REFERENCES: 686
RIN2		RINN 4
		REFERENCES: 100 1014 1088
RIN3		RINQUE
		REFERENCES: 809
RIO	*	RIODENA 1
		REFERENCES: 1138
RIO1	*	RIODENA 2
		REFERENCES: 1138
RIO2	*	RIODENA 3
		REFERENCES: 1138

CODE		FULL NAME
RIO3		RIOJANA DE ORON
		REFERENCES: 1138
RIS	*	RISO 1508
		SYNONYMS: HIP1(9999)
		REFERENCES: 28 289 838 993 1085 1143
RIT		RIT
		REFERENCES: 686
RIV	*	RIVALE
		REFERENCES: 195 252 357 358 464 608 1082
RIV1		RIVAS EGEA
		REFERENCES: 877
RMG	*	RMGH 61229
		REFERENCES: 186 405 846
ROA		ROANANDO
		REFERENCES: 330
ROB		ROBERTSON
		REFERENCES: 469
ROB2	*	ROBIN
		REFERENCES: 363 608 663 686 777 1086
ROB1	*	ROBUR
		REFERENCES: 51 101 236 364 576 848 1104 1130
ROB3		ROBUSTA
		SEE ALSO: PROH TES
		REFERENCES: 574
ROG	*	ROGERS
		REFERENCES: 98 121 143 252 296 297 385 422 431 522 550 551 552 553 567 574 608 668 727 764 851 928 965 1003 1069 1070 1082 1170
ROJ	*	ROJO
		REFERENCES: 379 403 527 619 1170
ROJ1		ROJO ALAVESA
		REFERENCES: 1138
ROK1		ROKKAKU
		REFERENCES: 1036
ROK		ROKKAKU CHEVALIER
		REFERENCES: 469 637 739 740 832 1012
ROK2		ROKUBEN
		REFERENCES: 866
ROL	*	ROLAND
		REFERENCES: 663 756 877 1176
RON	*	RONDO
		REFERENCES: 364 1013
ROS		ROSEWORTHY
		REFERENCES: 252
ROS1		ROSHAL
		REFERENCES: 252
ROS5	*	ROSIE
		REFERENCES: 364 405 427
ROS4		ROSS
		REFERENCES: 469
ROS6	*	ROSTOVSKII GOLOZERNYI 289
		REFERENCES: 166
ROS7		ROSTOVSKII 12
		REFERENCES: 873
ROS3		ROSTOVSKII 27
		REFERENCES: 56 1037 1082
ROS2		ROSTRES
		REFERENCES: 1105
ROT1		ROTA
		REFERENCES: 1026
ROT		ROTENBURGER
		REFERENCES: 252
ROT3		ROTTER
		REFERENCES: 877
ROT2		ROTTINGHAM
		REFERENCES: 469
ROU		ROUSSALIA
		REFERENCES: 1037
ROW	*	ROWLAND
		REFERENCES: 405
ROX	*	ROXANE
		REFERENCES: 364 576
ROY		ROYAL
		REFERENCES: 469 827

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RRL		RRL 1/2840											
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RRL5		RRL 10/2882											
		REFERENCES:	578										
RRL6		RRL 11/2887											
		REFERENCES:	578										
RRL7		RRL 12/2888											
		REFERENCES:	578										
RRL8		RRL 13/2890											
		REFERENCES:	578										
RRL9		RRL 14/2891											
		REFERENCES:	578										
RRLA		RRL 15/2895											
		REFERENCES:	578										
RRLB		RRL 16/2896											
		REFERENCES:	578										
RRLC		RRL 17/2899											
		REFERENCES:	578										
RRLD		RRL 18/2900											
		REFERENCES:	578										
RRLE		RRL 19/2901											
		REFERENCES:	578										
RRLF		RRL 21/2903											
		REFERENCES:	578										
RRLG		RRL 22/2905											
		REFERENCES:	578										
RRLH		RRL 23/2906											
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RRLI		RRL 24/2908											
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RRLJ		RRL 26/12810-2											
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RRLM		RRL 28/12810-4											
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RRLN		RRL 28/12810-5											
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RRLL		RRL 28/2902											
		REFERENCES:	578										
RRLO		RRL 30/12810-6											
		REFERENCES:	578										
RRLP		RRL 31/12815-1											
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RRL2		RRL 6/2859											
		REFERENCES:	578										
RRL3		RRL 7/2864											
		REFERENCES:	578										
RRL4		RRL 9/2878											
		REFERENCES:	578										
RS1		RS 17											
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RS6	*	RS 6											
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RS5		RS55											
		REFERENCES:	775										
RUB1		RUBARD											
		REFERENCES:	783										
RUB2		RUBENSDORF											
		REFERENCES:	877										
RUB3	*	RUBIN											
		REFERENCES:	1128										
RUB	*	RUBY											
		SYNONYMS:	DIA2(405)										
		REFERENCES:	178	187	311	333	364	405	486	515	516	560	608
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RUD		RUDER											
		REFERENCES:	275										
RUF	*	RUFFLYN											
		REFERENCES:	76	252	789	1170							
RUK		RUKA PANDSHIR											
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RUM		RUMANIAN 20
		REFERENCES: 783
RUP1	*	RUPAL
		REFERENCES: 145 150 364 405 663 686 809 1077 1084 1086 1087
RUP		RUPEE
		REFERENCES: 39 405 686 783 784 786 1077 1084 1087
RUS6		RUSE 85
		REFERENCES: 34
RUS		RUSSIAN
		REFERENCES: 261 469 1015 1123
RUS1		RUSSIAN 1
		REFERENCES: 89
RUS2		RUSSIAN 12
		REFERENCES: 89 609
RUS5		RUSSIAN 2
		REFERENCES: 453
RUS3		RUSSIAN 74
		REFERENCES: 609
RUS4		RUSSIAN 81
		REFERENCES: 153 608 609
RUT		RUTH
		REFERENCES: 877
RYE	*	RYE-KI
		REFERENCES: 463
RYS		RYSHKANSKII
		REFERENCES: 395
SWR		S W R I
		REFERENCES: 846 1082
S14		S 142 COLMAR
		SEE ALSO: COL9
		REFERENCES: 1082
SAK		S.A.K. 17/148
		REFERENCES: 125
SAA	*	SAALE
		REFERENCES: 100 144 469 599 686 709 966 967 968 1090
SAA2		SAALE-PIROLINE
		REFERENCES: 687
SAA1		SAALEGERSTE
		REFERENCES: 144 252
SAB	*	SABARLIS
		SYNONYMS: BALO(405)
		REFERENCES: 50 182 187 191 252 278 302 311 364 686 757 935 1086
SAB3		SABBATON
		REFERENCES: 315 783 866 965
SAB1	*	SABINANIGO 1
		REFERENCES: 1138
SAB2	*	SABINANIGO 2
		REFERENCES: 1138
SAC2	*	SACHEON 12
		REFERENCES: 677
SAC3	*	SACHEON 6
		REFERENCES: 677
SAC1		SACHSENDER
		REFERENCES: 1046
SAC	*	SACRAMENTO
		REFERENCES: 384 504 875
SAD1		SADABA
		REFERENCES: 877
SAD	*	SADDLER
		REFERENCES: 405
SAF1	*	SAFIR
		REFERENCES: 1128
SAF		SAFRA
		REFERENCES: 312
SAG1	*	SAGA HADAKA
		REFERENCES: 614 635 636 677 1049
SAG3		SAGA TAISYN
		REFERENCES: 1035
SAG		SAGINA
		REFERENCES: 469
SAG2	*	SAGRESS
		REFERENCES: 405 608 663 880

CODE		FULL NAME
SAH		SAHANSI
		REFERENCES: 706
SAH1		SAHARA
		REFERENCES: 721
SAI4		SAIDA 183
		REFERENCES: 381 1202
SAI		SAIFI
		REFERENCES: 75
SAI6		SAIKAI HADAKA 2
		REFERENCES: 761
SAI1		SAIKAI KAWA 1
		REFERENCES: 739
SAI2		SAIKAIKAWA 18
		REFERENCES: 637 1099
SAI5		SAIKORA 2
		REFERENCES: 1035
SAI3		SAINT REMY
		REFERENCES: 102
SAK1		SAKHALIN OLLI
		REFERENCES: 252
SAK2		SAKIGAKE
		REFERENCES: 1043 1046 1049
SAK3	*	SAKO 2
		REFERENCES: 1049
SAL5	*	SALEMER
		REFERENCES: 147
SAL4		SALINA
		REFERENCES: 51
SAL2	*	SALKA
		SYNONYMS: PAJ5(9999)
		REFERENCES: 364 405 663 1077
SAL7	*	SALOME
		REFERENCES: 756
SAL3		SALVE
		REFERENCES: 364 1086 1174
SAL6		SALYUT
		REFERENCES: 813 979
SAL1		SALZER
		REFERENCES: 469
SAL		SALZER BEARDLESS
		REFERENCES: 469
SAMC		SAMANTA 26
		REFERENCES: 98 828
SAMD	*	SAMANTHA
		REFERENCES: 405
SAMB		SAMARITA
		REFERENCES: 23
SAM		SAMCHEOG 36
		REFERENCES: 653 1013
SAM2		SAMDEOG
		SEE ALSO: SAM1
		REFERENCES: 653
SAM1	*	SAMDEOGJEONBUG 45
		SYNONYMS: SAM2(653)
		REFERENCES: 628 653 793
SAM3		SAMOFA
		REFERENCES: 469
SAM4		SAMPEDOR
		REFERENCES: 1138
SAM5	*	SAMPER DE CALANDA 1
		REFERENCES: 1138
SAM6	*	SAMPER DE CALANDA 2
		REFERENCES: 1138
SAM7	*	SAMPER DE CALANDA 3
		REFERENCES: 1138
SAM8	*	SAMPER DE CALANDA 4
		REFERENCES: 1138
SAMA		SAMSUM
		REFERENCES: 232
SAM9		SAMSUN 252
		REFERENCES: 51
SAN4		SAN CARLOS
		REFERENCES: 252 403

CODE		FULL NAME
SANC	*	SAN FELICES AGUERO 1 REFERENCES: 1138
SAND	*	SAN FELICES AGUERO 2 REFERENCES: 1138
SANE		SAN LORENZO DE MORUNYS 1 REFERENCES: 1138
SANF		SAN LORENZO DE MORUNYS 2 REFERENCES: 1138
SANG	*	SAN MATEO DE GALLEGO REFERENCES: 1138
SANH		SAN PEDRO DE RIBAS REFERENCES: 1138
SANI		SAN QUIRICO DE BESORA 1 REFERENCES: 1138
SANJ		SAN QUIRICO DE BESORA 2 REFERENCES: 1138
SANS	*	SANADA REFERENCES: 665
SAOB		SANADAMUGI REFERENCES: 1049
SANB		SANAHUJA REFERENCES: 1138
SAN1	*	SANALTA REFERENCES: 1 2 17 27 114 151 199 202 203 211 212 220 251 252 413 461 479 517 582 584 686 759 839 864 997 1015 1034 1082 1089 1170
SAN8	*	SANDOMIRSKI REFERENCES: 30 656 1082
SANP	*	SANDRA REFERENCES: 236 364 405 576 608 757 846
SAN3		SANDREL REFERENCES: 24 76 252 469 471 473 474 555 1170
SANU		SANFUNGA REFERENCES: 544
SAN7		SANGATSU REFERENCES: 240 653 1049
SAN5		SANGATSU HADAKA REFERENCES: 252 1049
SANA		SANGATSUKO REFERENCES: 469
SANX		SANGUESA REFERENCES: 877
SANQ		SANRIBIJENCHOSAING REFERENCES: 628
SAN2		SANS BARB SEE ALSO: PRO1 REFERENCES: 1170
SANT		SANS BARB 2 REFERENCES: 1 2
SAN6		SANS BARB 3 REFERENCES: 1 2 252
SAOA		SANSEKI REFERENCES: 1049
SANY		SANTA COLOMA REFERENCES: 877
SANK		SANTA PAU REFERENCES: 1138
SAN	*	SANTIAM REFERENCES: 36 252 307 494 497 866 1170
SANZ		SANTIBANEZ REFERENCES: 877
SAN9		SANTOKU REFERENCES: 469 1049
SANL	*	SANTORENS 1 REFERENCES: 1138
SANM	*	SANTORENS 2 REFERENCES: 1138
SANN	*	SANTORENS 3 REFERENCES: 1138
SANO	*	SANTORENS 4 REFERENCES: 1138
SANV		SANTOY REFERENCES: 686

CODE		FULL NAME	
SANR	*	SANUKIHADAKA	
		REFERENCES:	614 719
SAO		SAOGIMUGI	
		REFERENCES:	628
SAP		SAPPORO	
		REFERENCES:	252 544 602 783
SAP1	*	SAPPORO 7	
		REFERENCES:	15 653 658 1012 1098
SAR2	*	SARA	
		REFERENCES:	663 686 1138 1176
SAR	*	SARAH	
		REFERENCES:	20 45 102 354 355 357 361 371 576 846 1082 1138
SAR1	*	SARLA	
		REFERENCES:	318 364 460 686 691 1077 1082
SAR3		SARU	
		REFERENCES:	783 866
SAR4		SARUTONG	
		REFERENCES:	608
SAT1		SATIR	
		REFERENCES:	809 1173
SAT	*	SATSUKI MUGI	
		SEE ALSO:	HYA2
		REFERENCES:	539 540 653 829 832 1012 1049
SAT2	*	SATSUKI NIJO	
		REFERENCES:	15 1049
SAU		SAUL	
		REFERENCES:	469
SAV1		SAVARIA	
		REFERENCES:	1110
SAV		SAVARIA 18	
		REFERENCES:	49
SAW		SAWET	
		REFERENCES:	1010
SAW1		SAWET 3	
		REFERENCES:	1010
SAX	*	SAXONIA	
		REFERENCES:	23 45 232 252 364 469 618 651 663 686 808 985 1177
SAX1		SAXONIA MALZ IMPERIAL	
		REFERENCES:	686
SAY		SAYUKIMUGI	
		REFERENCES:	628
SCA		SCARAB	
		REFERENCES:	252 1015
SCHB		SCHINDO	
		REFERENCES:	686
SCHA		SCHLADENER	
		SEE ALSO:	BRED
		REFERENCES:	73 783
SCH1		SCHLEIPHAKS	
		REFERENCES:	252 1092
SCHF		SCHMIDTS SUNNA	
		SEE ALSO:	SUN7
SCH9		SCHOLEY	
		REFERENCES:	469 574 663
SCH4		SCHREIBERS NAKED WINTER BARLEY	
		REFERENCES:	961
SCH2		SCHRIBAUX	
		REFERENCES:	252 783
SCH	*	SCHUYLER	
		REFERENCES:	252 340 431 570 571 573 644 686 919 1017 1018
SCHD		SCHWACH WECH	
		REFERENCES:	686
SCHC		SCHWARZE	
		REFERENCES:	574
SCH7		SCHWARZENBERG 1	
		REFERENCES:	469 686 1092
SCH8		SCHWARZENBERG 3	
		REFERENCES:	469
SCH3	*	SCHWEIGERS ERIKA	
		REFERENCES:	45 252 361 663 686 687

CODE		FULL NAME
SCH6		SCHWEIGERS GEORGINE SEE ALSO: GEO2 REFERENCES: 314 695 836 1082
SCH5		SCHWEIGERS HELLA REFERENCES: 1026
SCHE		SCHWEIGERS MOOSBURGER SEE ALSO: GEO2 REFERENCES: 663
SCO6		SCOTCH REFERENCES: 469 827
SCO7		SCOTCH ANNAT SEE ALSO: ANN REFERENCES: 89 654
SCO3		SCOTCH BERE REFERENCES: 252 760
SCO2	*	SCOTCH CHEVALLIER SEE ALSO: CHE1 REFERENCES: 469 528 531
SCO1		SCOTCH COMMON SEE ALSO: CHE1 REFERENCES: 81 89 92 530 531 663 1082
SCO		SCOTCH IMPROVED REFERENCES: 984
SCO4		SCOTIA REFERENCES: 252
SCO5		SCOTTISH PEARL SEE ALSO: TEN1 REFERENCES: 252 469 628 783 866 895
SCO8	*	SCOUT REFERENCES: 193 294
SEA		SEALAND PRENTICE REFERENCES: 252
SEB		SEBERGELAN REFERENCES: 154
SEB1		SEBERGELAN 2 REFERENCES: 154
SEB2		SEBERGELAN 4 REFERENCES: 154
SEB3		SEBERGELAN 5 REFERENCES: 154
SEB4		SEBERGELAN 6 REFERENCES: 154
SEC1		SECHSZEILIGE PUMPERGERSTE SEE ALSO: PUM REFERENCES: 53 364
SEC2		SECHSZEILIGE SACAVEM 881 REFERENCES: 51
SEC3	*	SECOBRA PA4 REFERENCES: 405
SEC	*	SECURA REFERENCES: 109 364 370 608 945 946 1155 1156
SED	*	SEDOHADAKA SEE ALSO: SET2 REFERENCES: 631 653 677 1192
SEG2		SEGAN 2 REFERENCES: 628
SEG		SEGER SEE ALSO: VIC * REFERENCES: 16 43 166 307 379 450 461 695 713 1012 1027 1079
SEG1		SEGESGERSTE SEE ALSO: VIC * REFERENCES: 876
SEI		SEIBAKU REFERENCES: 252 866
SEI2		SEIDOHADAGA REFERENCES: 628 629
SEI6		SEIGLE TEMONDIJ REFERENCES: 828 829
SEI5	*	SEIJO NO 1 REFERENCES: 1012
SEI1	*	SEIJO 17 REFERENCES: 15 380 505 658 677 1098 1192

CODE		FULL NAME
SEI7		SEIS CARRERAS
		REFERENCES: 877
SEI4		SEISHIRO
		REFERENCES: 665
SEI3		SEISHIRO 17
		REFERENCES: 637 739
SEJ		SEJET
		REFERENCES: 210 1090
SEJ2		SEJET 1722
		REFERENCES: 273 274
SEJ3		SEJET 1732
		REFERENCES: 254 273 274 361 1077
SEJ4		SEJET 678263
		REFERENCES: 663
SEJ1		SEJET 8018
		REFERENCES: 247
SEK5		SEKITORI
		SYNONYMS: GWA (653)
		REFERENCES: 540 541 602 653 738 739 740 832 1049
SEK1		SEKITORI DEN 2
		REFERENCES: 690 1192
SEKB	*	SEKITORI IBARAGI 2
		REFERENCES: 738
SEK8	*	SEKITORI SAI 1
		SYNONYMS: SEK2(1192) SEK6(1192)
		REFERENCES: 483 539 540 541 738 739 740 1192
SEK4		SEKITORI SAI 2
		REFERENCES: 690 1192
SEK2		SEKITORI SAITAMA 1
		SEE ALSO: SEK8
		REFERENCES: 252 690 1192
SEK3		SEKITORI 2
		REFERENCES: 540 541 602 690 738 739 1192
SEK		SEKITORI 3
		REFERENCES: 540 541 602 690 738 739 740 832 1049 1192
SEKC		SEKITORI 4
		REFERENCES: 1049
SEK9		SEKITORI-CHIKURIN
		REFERENCES: 539
SEK6		SEKITORI-SAI
		SEE ALSO: SEK8
		SYNONYMS: GWA1(653)
		REFERENCES: 51 653 739
SEKA		SEKITORI-TA 2
		REFERENCES: 541 738 740
SEK7	*	SEKITORIA 2
		REFERENCES: 540 739 832
SELE		SEL GAT
		REFERENCES: 877
SEL9		SELCHOWER
		REFERENCES: 895
SEL8		SELECKNI HANACKY
		REFERENCES: 32 686
SEL	*	SELECTA
		REFERENCES: 531 807 1128
SEL2		SELECTED CHEVALLIER
		REFERENCES: 469
SELA		SELECTY VELEJMNY
		REFERENCES: 686
SELF	*	SELEKCNI HANA 3
		REFERENCES: 1128
SELD	*	SELEKCNI HANA 8
		REFERENCES: 686 1128
SELB		SELEKCNI HANACKY 4
		REFERENCES: 686
SELC		SELEKCNI JARNI
		REFERENCES: 686
SELG		SELEKTY HANA
		REFERENCES: 1128
SEL3	*	SELGUA 1
		REFERENCES: 1138
SEL4	*	SELGUA 2
		REFERENCES: 1138

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CODE          FULL NAME

SEL5   *  SELGUA 3
            REFERENCES:  1138
SEL6   *  SELGUA 4
            REFERENCES:  1138
SEL7   *  SELGUA 5
            REFERENCES:  1138
SEL1      SELMA
            REFERENCES:   908
SEM2   *  SEMCHITSKY HOSPODAR
            SEE ALSO:  SEM3*
            REFERENCES:     8   33  320  323  686  687 1128
SEM4      SEMCHITSKY PIVOVAR
            REFERENCES:   686
SEM       SEMIBORI
            REFERENCES:   574  628  653
SEM3   *  SEMSCHITZ ECONOMY
            TRANSLATIONS:  SEM2(GER)
            REFERENCES:     8
SEM5      SEMSKY
            REFERENCES:   403
SEN4   *  SENAT
            REFERENCES:   608  663  809  872 1077 1174 1175
SEN2      SENBAKU
            REFERENCES:   469
SEN3      SENCA PURPLE
            REFERENCES:   469
SEN5      SENCHUL 3
            REFERENCES:   628
SEN7   *  SENIOR
            REFERENCES:   405
SEN    *  SENTA
            SYNONYMS:  ENGC(9999)
            REFERENCES:    42  177  187  236  284  332  334  363  454  525  559
                          560  574  608  737  769  846  973 1009
SEN6      SENTALINE
            REFERENCES:   574
SEN1      SENTINEL
            REFERENCES:   252
SEO       SEO DE URGEL 1
            REFERENCES:  1138
SEO1      SEO DE URGEL 2
            REFERENCES:  1138
SEO2      SEORAJ
            REFERENCES:   469
SER6   *  SEREP 1
            REFERENCES:   708 1085
SER2      SERFRA
            REFERENCES:   783
SER5      SERGEANT
            REFERENCES:   405
SER7      SERLA
            REFERENCES:  1084
SER3      SERMO
            REFERENCES:   507
SER       SERTINA
            SEE ALSO:  CER1
            REFERENCES:  1082
SER9   *  SERU
            REFERENCES:  1077
SER4      SERVEL
            REFERENCES:    20
SER1      SERVIAN
            REFERENCES:    76  469  498  767
SES3      SES 3212
            REFERENCES:   663
SES6      SES 69-12-41
            REFERENCES:   663
SET1   *  SETA
            SEE ALSO:  SET
            REFERENCES:   663  686 1082 1140
SET    *  SETA SEJET
            SYNONYMS:  SET1( 663)
            REFERENCES:   249 1077 1192
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CODE		FULL NAME
SET3		SETHE'S SCHLOTENITZER
		REFERENCES: 102
SET2	*	SETO HADAKA
		SYNONYMS: SED (1192)
		REFERENCES: 636 1049
SEU	*	SEUNGMAEG 1
		SYNONYMS: JUN2(653)
		REFERENCES: 653
SEU3	*	SEUNGMAEG 126
		REFERENCES: 628 653
SEU2	*	SEUNGMAEG 15
		REFERENCES: 628 653
SEU5		SEUNGMAEG 20
		REFERENCES: 628
SEU4		SEUNGMAEG 28
		REFERENCES: 628
SEU1	*	SEUNGMAEG 5
		SYNONYMS: JUN3(653)
		REFERENCES: 653
SEV		SEVER 1
		REFERENCES: 686 890 979 1084 1111
SEV1		SEVERODVINSKIJ
		REFERENCES: 686
SEV2		SEVLUSSKIJ
		REFERENCES: 34
SEX		SEXRADIGT
		REFERENCES: 469
SHA	*	SHABET
		REFERENCES: 51 252 363 380 506 511 663 728
SHA1		SHADDOCK
		REFERENCES: 252 464
SHA4		SHAFIYA
		REFERENCES: 986
SHA6		SHAKLAWA
		REFERENCES: 154
SHA7		SHALLOW
		REFERENCES: 1084
SHA5	*	SHANNON
		REFERENCES: 1012
SHA3		SHANSI
		REFERENCES: 469
SHA8		SHARBIS
		REFERENCES: 1049
SHA2		SHARPE CHEVALLIER
		SYNONYMS: IMP7(469)
		REFERENCES: 469
SHC1		SHCHERBOVSKII
		REFERENCES: 1028
SHC		SHCHIRETSKII
		REFERENCES: 688 689 1082
SHE		SHEBA
		REFERENCES: 379
SHE1		SHENSI
		REFERENCES: 877
SHE2		SHERADA
		REFERENCES: 877
SHE3		SHESH TURIT
		REFERENCES: 877
SHI1		SHIGA HACHIKOKU 5
		REFERENCES: 541 690 832
SHIW		SHIGATSE 1046
		REFERENCES: 608
SHI5		SHIGATSU 1033
		REFERENCES: 252
SHIL		SHIKAKUMUGI
		REFERENCES: 617
SHJ		SHIKKE SHIRAZU
		SYNONYMS: JIK (1192)
		REFERENCES: 1192
SHIP		SHIKOKU
		REFERENCES: 637 658 1012
SHJ6		SHIKOKU HADAKA 12
		REFERENCES: 1049

CODE		FULL NAME
SHIH		SHIKOKU HADAKA 20 REFERENCES: 549
SHII		SHIKOKU HADAKA 34 REFERENCES: 549
SHIT		SHIKOKUHADAKA REFERENCES: 719
SHIJ	*	SHIKOKUHADAKA 32 REFERENCES: 614 719
SHIR		SHIKOKUHADAKA 45 REFERENCES: 665
SHI8		SHIMABARA SYNONYMS: DOW (653) REFERENCES: 49 153 608 617 636 653 1046
SHJ2		SHIMBARA HADAKA REFERENCES: 1049
SHIV		SHIN EBUSU 16 REFERENCES: 1095 1096 1097
SHIC		SHIN 2 REFERENCES: 628
SHIE		SHIN 44 REFERENCES: 628
SHJ3	*	SHINAME OMUGI 1 REFERENCES: 1049
SHIF	*	SHINANO 1 REFERENCES: 541 602 1049
SHJ7		SHINDAND REFERENCES: 275
SHIY		SHINDO REFERENCES: 363
SHJ1		SHINRIKI REFERENCES: 1049
SHI2		SHINRIKI HADAKA REFERENCES: 614 690
SHIG	*	SHIRAHIME HADAKA REFERENCES: 549 613 686 1049
SHIO	*	SHIRANUI HADAKA REFERENCES: 636 829 1049
SHIQ	*	SHIRATAMAHADAKA REFERENCES: 612 665
SHIB		SHIRETSKII REFERENCES: 1094
SHI3		SHIRO CHINKO REFERENCES: 541 613 614 635 690 1192
SHIX		SHIRO CHINKO 27 SYNONYMS: SIR1(649) REFERENCES: 649 1192
SHI6		SHIRO MOCHI REFERENCES: 252 665
SHI7		SHIRO MUGI 6 REFERENCES: 252 1192
SHIA		SHIRO NISHIKI REFERENCES: 469
SHIS		SHIRODO 6 REFERENCES: 665
SHIM		SHIROHADAKA SYNONYMS: ZYO (1192) REFERENCES: 635
SHIK		SHIROHOZOROI REFERENCES: 617
SHJ4	*	SHIROKUMA REFERENCES: 1049
SHID		SHIROMUGI SYNONYMS: SIR (649) REFERENCES: 540 617 636 686 1035 1047 1049
SHIN		SHIROMUGI 8 REFERENCES: 635 1049
SHJ5	*	SHIROSHINRIKI REFERENCES: 1049
SHI4		SHIROTO SEE ALSO: BAE1 REFERENCES: 544 653 690
SHI9		SHIRVANDANY REFERENCES: 65 645 1082

CODE		FULL NAME
SHIZ		SHISHKOT
		REFERENCES: 877
SHIU		SHITORI
		REFERENCES: 617
SHI		SHIZUOKA SHIROROKKAKU 1
		REFERENCES: 541 690 1192
SHO3		SHOBORI
		REFERENCES: 617
SHOA		SHOGOR
		REFERENCES: 877
SHO2	*	SHOKIMUGI
		REFERENCES: 602 738 739 832 1049
SHO1		SHOLEY CHEVALLIER
		REFERENCES: 469
SHO4	*	SHOLLEY 1
		REFERENCES: 102 663
SHO6	*	SHOLLEY 2
		REFERENCES: 102 663
SHO5		SHOLLEY 3
		REFERENCES: 102
SHO7	*	SHOLLEY 4
		REFERENCES: 102 663
SHOC	*	SHOLPAN
		REFERENCES: 1084 1112
SHO8		SHONAN
		REFERENCES: 315 866
SHO		SHORT COMFORT
		REFERENCES: 159 160 161 252
SHO9		SHORT HEAD
		REFERENCES: 1121
SHOB	*	SHORTANDINSKII 69
		REFERENCES: 389
SHR		SHRUNKEN BETZES
		REFERENCES: 406
SHT		SHTIVE
		REFERENCES: 275
SHU1		SHUMAKI
		REFERENCES: 866
SHU		SHUMUGI
		REFERENCES: 628 866
SHU2	*	SHUNSEI
		SYNONYMS: SYU (9999)
		REFERENCES: 532 658 1049
SIA		SIALKOT
		REFERENCES: 469
SIB		SIBERIAN
		REFERENCES: 252 1087 1170
SIB2		SIBIRSKII 2
		REFERENCES: 813
SIB1		SIBLEY IMPERIAL
		REFERENCES: 469
SID		SIDNEY
		REFERENCES: 469
SIE6		SIEGES
		REFERENCES: 1092
SIE		SIERRA ALLEPUZ AMARILLA 1
		REFERENCES: 1138
SIE1	*	SIERRA ALLEPUZ AMARILLA 2
		REFERENCES: 1138
SIE2	*	SIERRA ALLEPUZ AMARILLA 3
		REFERENCES: 1138
SIE3		SIERRA ALLEPUZ BLANCA
		REFERENCES: 1138
SIE4	*	SIERRA DE NUEZ 1
		REFERENCES: 1138
SIE5	*	SIERRA DE NUEZ 2
		REFERENCES: 1138
SIG2	*	SIGMA
		REFERENCES: 846 1176
SIG1	*	SIGNAL
		REFERENCES: 608 663 686
SIG		SIGUR
		REFERENCES: 412

CODE		FULL NAME
SIL2	*	SILJA
		REFERENCES: 16 729
SIL1		SILVER BEARDLESS
		REFERENCES: 469
SIL		SILVER KING
		REFERENCES: 252 469 827 1015 1072
SIM1	*	SIMBA
		REFERENCES: 364 663 757 809 872 1077 1086 1175 1178
SIM		SIMLA
		REFERENCES: 469
SIM4		SIMMONDS 1
		REFERENCES: 877
SIM5		SIMMONDS 2
		REFERENCES: 877
SIM2	*	SIMON
		REFERENCES: 190 191 192 311 364 846
SIM3		SIMRAN
		REFERENCES: 1010
SIN		SIN 4
		SEE ALSO: JEO
		REFERENCES: 653
SIN2		SINELNIKOVSKII 8
		REFERENCES: 873
SIN1		SINOUMUGI
		REFERENCES: 628
SIO		SIOGIMACK
		REFERENCES: 628
SIR3	*	SIRI
		REFERENCES: 608 663 686 935 1077
SIR2	*	SIRIUS
		REFERENCES: 45 102 371 576 663
SIR1		SIROGINKO 27
		SEE ALSO: SHIX
		REFERENCES: 653
SIR		SIROMUGI
		SEE ALSO: SHID
		REFERENCES: 252 783
SIS3		SISFOR
		REFERENCES: 1013
SIS		SISOLSK
		SYNONYMS: SIS1(469)
		REFERENCES: 1015
SIS1		SISOLSK SPRING
		SEE ALSO: SIS
SIS2		SISTA
		REFERENCES: 364
SIX1		SIX ROW WINTER BARLEY
		REFERENCES: 164
SIX		SIXTY DAY
		REFERENCES: 252
SIY		SIYOUMUGI
		REFERENCES: 628
SKI		SKINLESS
		REFERENCES: 137 252 461 984 1148
SKO		SKOROSPELKA 1
		REFERENCES: 535
SKR	*	SKRZESZOWICKI
		REFERENCES: 75 656 686 687 836 947 1082
SLA		SLADAR
		REFERENCES: 259 467 686 836 943 1082 1128 1200
SLA5		SLASKI
		REFERENCES: 646 1039
SLA1		SLASKI 2
		REFERENCES: 646 1039 1082
SLA4	*	SLAVA
		REFERENCES: 166
SLA2		SLAVENSKY JEMNI
		SEE ALSO: SLO1
		REFERENCES: 1082
SLA6		SLAVUTIC
		REFERENCES: 686
SLA3		SLAVUTICH
		REFERENCES: 392 813 979 1084 1119

CODE		FULL NAME
SLO6		SLOVAK DANUBE MARKET
		REFERENCES: 687
SLO5		SLOVAK 802
		REFERENCES: 687
SLO		SLOVAKISCHE
		REFERENCES: 252 464 685
SLO2	*	SLOVENSKY DUNASKY
		REFERENCES: 33 259 320 400 413 441 467 686 687 836 882 943 1082
SLO1	*	SLOVENSKY JEMNY
		SYNONYMS: SLA2(1082)
		REFERENCES: 75 259 686 687 836 943 1128
SLO4	*	SLOVENSKY KVALITNY
		REFERENCES: 51 686 1128
SLO3		SLOVENSKY 802
		REFERENCES: 685 686 687 1082 1197
SMA		SMALL BLUE NAKED
		REFERENCES: 469
SME		SMELYANSKII
		REFERENCES: 535
SMO		SMOOTH AWN
		REFERENCES: 242 479 488 527 538 585 712 721 760 866 1015
SMO4		SMOOTH AWN 203
		REFERENCES: 628
SMO1		SMOOTH AWN 86
		REFERENCES: 252 783 866 920
SMO2		SMOOTH AWN 88
		REFERENCES: 252 866
SMO3		SMOOTH-AWNED CAPE
		REFERENCES: 461
SMY		SMYRNA
		SEE ALSO: CAP2 SOD YER
		REFERENCES: 81 82 468 767 996 1170
SMY1		SMYRNA ACE
		REFERENCES: 996
SN		SN 248
		REFERENCES: 657
SNI	*	SNIPE
		REFERENCES: 405 846
SOB		SOBO-ROKKAKU
		REFERENCES: 1040
SOD	*	SODA SPRINGS SMYRNA
		SYNONYMS: SMY (1170) WHI2(1170)
		REFERENCES: 252 517 859 1170
SOD1		SODDO
		REFERENCES: 877
SOF5		SOFA
		REFERENCES: 51 305
SOF3	*	SOFIA 1241
		REFERENCES: 1082
SOF4	*	SOFIA 1337
		REFERENCES: 860 1082
SOF	*	SOFIA 26
		REFERENCES: 1014 1082 1090
SOF6		SOFIA 3
		REFERENCES: 305
SOF2	*	SOFIA 347
		REFERENCES: 1082
SOF1	*	SOFIA 59
		REFERENCES: 686 1082
SOL2	*	SOLA
		REFERENCES: 129 663
SOL1		SOLSONA
		REFERENCES: 1138
SOL		SOLU
		REFERENCES: 1082
SOM		SOMUGI
		REFERENCES: 617 738
SON1		SON
		REFERENCES: 628
SON2		SONBAKU
		REFERENCES: 866
SON4	*	SONGHAGBORI
		REFERENCES: 677

CODE		FULL NAME
SON3		SONIX
		REFERENCES: 236
SON	*	SONJA
		SYNONYMS: ENGG(9999)
		REFERENCES: 42 49 101 185 187 190 191 192 236 311 364 405 426 574 576 608 663 769 848 930 962 1130 1174 1176
SOO		SOOT BARLEY
		SEE ALSO: BLAG
SOP2		SOPHIA 1294
		REFERENCES: 128
SOP1		SOPHIA 1337
		REFERENCES: 128 1082
SOP3		SOPHIA 31
		REFERENCES: 10
SOP	*	SOPHIE
		REFERENCES: 193 364
SOR1		SORGSKY HORSKY
		REFERENCES: 686
SOR2		SORTKERNET BYG
		REFERENCES: 1077
SOR	*	SORZESZOWICKI
		REFERENCES: 1082
SOUB	*	SOUCHE 10 COLMAR
		REFERENCES: 102
SOU8	*	SOUCHE 106 COLMAR
		REFERENCES: 102 663
SOU9	*	SOUCHE 127 COLMAR
		REFERENCES: 102 663
SOU2	*	SOUCHE 142 COLMAR
		REFERENCES: 102 356 357 361 378 663
SOU3	*	SOUCHE 164 COLMAR
		REFERENCES: 102 378 663
SOU4	*	SOUCHE 179 COLMAR
		REFERENCES: 102 371 663
SOU6	*	SOUCHE 191 COLMAR
		REFERENCES: 102 663
SOUA	*	SOUCHE 203 COLMAR
		REFERENCES: 102 663
SOU7	*	SOUCHE 212 COLMAR
		REFERENCES: 102 663
SOU1		SOUTH AFRICAN
		REFERENCES: 469 470
SOU		SOUTH CAROLINA AWNLESS
		REFERENCES: 252
SPA2		SPANISCHE
		REFERENCES: 783
SPA3	*	SPARTAN (CZECHOSLOVAKIA 1977)
		REFERENCES: 290
SPA	*	SPARTAN (USA)
		REFERENCES: 1 2 23 76 118 166 252 414 461 489 517 584 668 686 736 775 874 882 886 914 942 1038 1062 1082 1084 1085 1154 1170 1196
SPA1		SPARTAN 2
		REFERENCES: 433 707 736 818 987 1082 1084 1189 1200
SPE1		SPEAR
		REFERENCES: 469
SPE		SPECIALE
		REFERENCES: 252 745 847 937 939
SPI1		SPIEGEL
		SEE ALSO: JER1
		REFERENCES: 654
SPI		SPITI VALLEY
		REFERENCES: 469 686 783
SPR3		SPRAT
		SYNONYMS: BAT1(772)
		REFERENCES: 772
SPR2		SPRATT
		REFERENCES: 45 81 82 89 90 92 102 156 167 412 486 523 528 530 531 686 725 790 976 1079 1082

CODE		FULL NAME
SPR	*	SPRATT-ARCHER
		REFERENCES: 43 44 45 63 81 89 90 91 102 111 123 162 163 164 165 166 167 168 169 170 173 210 227 241 252 253 254 255 256 288 295 301 307 332 355 361 423 484 523 529 531 532 546 547 559 574 618 663 668 686 725 760 771 779 780 790 831 976 998 1071 1079 1082 1121 1164
SPR7		SPRATT-ARCHER (XR)
		REFERENCES: 405
SPR4		SPRATT-ARCHER 37
		REFERENCES: 156 253 295 545
SPR1	*	SPRAY
		REFERENCES: 166 783 1170
SPR5		SPREAD
		SEE ALSO: PEA1
SPR6		SPRINTER
		REFERENCES: 686
SQU1		SQUARE BARLEY
		SEE ALSO: WINC
		REFERENCES: 772
SQU		SQUAREHEAD WINTER
		REFERENCES: 252
STA2		STADLERS
		REFERENCES: 90 252 559 1092
STA9		STADLERS RATISBONA
		REFERENCES: 906
STAA		STADLERS R40
		REFERENCES: 906
STA1		STAF BARLEY FROM TUNIS
		SEE ALSO: TUN
		REFERENCES: 1170
STA6	*	STALLAR
		REFERENCES: 166 232 461 760 933 1012 1082 1084
STAC	*	STALLAR 2
		REFERENCES: 686 1082
STAH		STAMM
		REFERENCES: 507
STAI		STAMM 12
		REFERENCES: 672
STAG		STAMMTLOHENH
		REFERENCES: 51
STA4		STANDARD PRYOR
		REFERENCES: 996
STA3	*	STANDWELL
		REFERENCES: 81 82 102 111 156 252 469 484 523 528 529 530 531 618 816
STAD	*	STANGE
		REFERENCES: 364 443
STAP		STANISLAVSKII
		REFERENCES: 34
STAE		STANKA
		REFERENCES: 154 364 1013
STA7	*	STANKAS FRUHGERSTE
		REFERENCES: 252 363 663 686 1026
STA5		STAR
		REFERENCES: 225 226 398 461 469 527 642 643
STAB	*	STARNOVSKY KNEIFEL
		REFERENCES: 906 943 1082 1128
STAQ		STAROHANACKA KRAJ ODRUDA
		REFERENCES: 1128
STAF	*	START
		REFERENCES: 392 659 987 989 990
STAK		STATION DE COLMAR
		REFERENCES: 102 405
STA		STAVROPOL
		SYNONYMS: FEE (1170) HOG (1170) KAN (1170)
		REFERENCES: 24 41 252 469 686 990 1010 1015 1038 1074 1082 1170
STAM		STAVROPOL 281
		REFERENCES: 987
STAJ		STAVROPOL 413
		REFERENCES: 714
STAO		STAVROPOL 628
		REFERENCES: 873

CODE		FULL NAME
STAN		STAVROPOL 9 REFERENCES: 873
STA8		STAVROPOLSKII 7 REFERENCES: 252 1082
STE1		STEIGUM REFERENCES: 252 517 1170
STEA	*	STEINA REFERENCES: 364 686 1176
STE4	*	STELLA REFERENCES: 461 469
STE9	*	STELLA (SWEDEN) REFERENCES: 461 686 997
STE5		STELLAR REFERENCES: 252
STE		STEPHAN REFERENCES: 202 203 210 211 252 479 609 616 686 783 816 1170
STE8	*	STEPOVYI REFERENCES: 389 390 400 659 686 736 818 1082 1084 1085 1090
STE3	*	STEPTOE REFERENCES: 236 238 252 647 648 788 825
STEB		STERLING REFERENCES: 102
STE6		STEUDELLI REFERENCES: 51 252 671
STE2	*	STEVELAND REFERENCES: 18 19 252 279 647 648 728 858 1168
STE7		STEWART REFERENCES: 252
STI	*	STIRLING REFERENCES: 750 878 879 1012
STJ	*	STJERNE REFERENCES: 443
STO3	*	STOCKTON REFERENCES: 405 846
STO1		STOECKINGER REFERENCES: 469
STO		STONEMAN REFERENCES: 252
STO2	*	STOTZ SALEMER REFERENCES: 246 663
STO4		STOVRING REFERENCES: 275
STRB		STREATLY REFERENCES: 877
STR4	*	STRENG REFERENCES: 246 574 663 906
STR7		STRENGS ASPA SEE ALSO: ASP1 REFERENCES: 1082
STR2		STRENGS AUREA REFERENCES: 45 252 1105
STR9		STRENGS BELLA REFERENCES: 686
STRF		STRENGS CORONA REFERENCES: 972
STR3	*	STRENGS DOMINA SEE ALSO: DOM1 REFERENCES: 98 148 361 663 816 961
STRC		STRENGS DURA SEE ALSO: DUR REFERENCES: 972
STR8		STRENGS FRANKEN SEE ALSO: EGL REFERENCES: 102 687
STRA		STRENGS FRANKEN 2 REFERENCES: 686
STR1	*	STRENGS FRANKEN 3 SYNONYMS: FRA3(9999) REFERENCES: 43 45 47 174 178 846 928 1026 1082 1133 1134
STRD		STRENGS KIRUNA SEE ALSO: KIR8 REFERENCES: 972

CODE		FULL NAME
STR5		STRENGS NACKTA
		REFERENCES: 145 686 1105
STRE		STRENGS OPTIMA
		REFERENCES: 972
STR		STRIEGUM
		REFERENCES: 285 469
STR6	*	STRZELCE
		REFERENCES: 1082
STU1		STUDINA 5
		REFERENCES: 115
STU2		STUDINA 6
		REFERENCES: 115
STU3	*	STUPICKY HANACKY
		REFERENCES: 323 686 1128
STU4	*	STUPICKY PLNOZRNNY
		REFERENCES: 323 686 1128
STU6		STUPICKY PLNOZRNNY (XR)
		REFERENCES: 1128
STU		STUPICKY SESTIRADY
		REFERENCES: 34 252 628 687
STU5		STUPICKY STAROCESKY
		REFERENCES: 686
SUB3		SUBAETHIPS
		REFERENCES: 153
SUB1		SUBERGALYAN
		REFERENCES: 303 986
SUB		SUBMEDICUM
		REFERENCES: 29 130 252 446 979 1036 1082 1090
SUB2		SUBU
		REFERENCES: 628
SUC		SUCCESS
		SEE ALSO: HOR
		REFERENCES: 199 251 469 479 527 816 942 1121 1170
SUC1		SUCCESS BEARDLESS
		SEE ALSO: HOR
		REFERENCES: 252 469 1170
SUC2		SUCHOW
		REFERENCES: 315
SUD1		SUD
		REFERENCES: 379
SUD		SUDAN
		REFERENCES: 153 408 686 847 937 939 1151
SUF		SUFFOLK CHEVALIER
		SYNONYMS: SUF1(469)
		REFERENCES: 469
SUF1		SUFFOLK COAST
		SEE ALSO: SUF
		REFERENCES: 469
SUF2		SUFRANE
		REFERENCES: 365
SUI1	*	SUIFU
		REFERENCES: 363 540 1049
SUI		SUISHO SEKITORI 305
		REFERENCES: 540 541 690 738 832
SUJD		SUKYE 101
		REFERENCES: 628
SUJE		SUKYE 102
		REFERENCES: 628
SUJF		SUKYE 103
		REFERENCES: 628
SUJG		SUKYE 104
		REFERENCES: 628
SUJH		SUKYE 105
		REFERENCES: 628
SUJI		SUKYE 106
		REFERENCES: 628
SUJJ		SUKYE 107
		REFERENCES: 628
SUJK		SUKYE 108
		REFERENCES: 628
SUJL		SUKYE 109
		REFERENCES: 628
SUJM		SUKYE 111
		REFERENCES: 628

CODE	FULL NAME	
SUJN	SUKYE 112	
	REFERENCES:	628
SUJO	SUKYE 113	
	REFERENCES:	628
SUJP	SUKYE 115	
	REFERENCES:	628
SUJQ	SUKYE 116	
	REFERENCES:	628
SUJR	SUKYE 117	
	REFERENCES:	628
SUJS	SUKYE 118	
	REFERENCES:	628
SUJT	SUKYE 120	
	REFERENCES:	628
SUJU	SUKYE 122	
	REFERENCES:	628
SUJV	SUKYE 123	
	REFERENCES:	628
SUJW	SUKYE 124	
	REFERENCES:	628
SUJX	SUKYE 125	
	REFERENCES:	628
SUJY	SUKYE 126	
	REFERENCES:	628
SUJZ	SUKYE 127	
	REFERENCES:	628
SUJ3	SUKYE 128	
	REFERENCES:	628
SUJ4	SUKYE 129	
	REFERENCES:	628
SUJ5	SUKYE 131	
	REFERENCES:	628
SUJ6	SUKYE 132	
	REFERENCES:	628
SUJ7	SUKYE 133	
	REFERENCES:	628
SUJ8	SUKYE 134	
	REFERENCES:	628
SUJ9	SUKYE 136	
	REFERENCES:	628
SUK	SUKYE 137	
	REFERENCES:	628
SUKA	SUKYE 138	
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SUKB	SUKYE 139	
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SUKC	SUKYE 142	
	REFERENCES:	628
SUKD	SUKYE 143	
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SUKE	SUKYE 144	
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SUKG	SUKYE 148	
	REFERENCES:	628
SUKH	SUKYE 151	
	REFERENCES:	628
SUKI	SUKYE 152	
	REFERENCES:	628
SUKJ	SUKYE 153	
	REFERENCES:	628
SUKK	SUKYE 154	
	REFERENCES:	628
SUKL	SUKYE 156	
	REFERENCES:	628
SUKM	SUKYE 158	
	REFERENCES:	628
SUKN	SUKYE 159	
	REFERENCES:	628
SUKO	SUKYE 160	
	REFERENCES:	628
SUKP	SUKYE 161	
	REFERENCES:	628

CODE		FULL NAME											
SUKQ		SUKYE 162											
		REFERENCES:	628										
SUKR		SUKYE 163											
		REFERENCES:	628										
SUKS		SUKYE 165											
		REFERENCES:	628										
SUKT		SUKYE 166											
		REFERENCES:	628										
SUKU		SUKYE 167											
		REFERENCES:	628										
SUKV		SUKYE 168											
		REFERENCES:	628										
SUKW		SUKYE 169											
		REFERENCES:	628										
SUKX		SUKYE 170											
		REFERENCES:	628										
SUKY		SUKYE 171											
		REFERENCES:	628										
SUKZ		SUKYE 172											
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SUK1		SUKYE 174											
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SUK2		SUKYE 176											
		REFERENCES:	628										
SUK3		SUKYE 177											
		REFERENCES:	628										
SUJA		SUKYE 27											
		REFERENCES:	628										
SUJB		SUKYE 30											
		REFERENCES:	628										
SUJC		SUKYE 34											
		REFERENCES:	628										
SUL3		SULDERELBE											
		REFERENCES:	686										
SUL	*	SULTAN											
		REFERENCES:	94	145	178	334	364	372	405	412	460	462	544
			560	575	593	608	663	686	695	696	715	735	737
			777	804	809	846	875	1077	1082	1087	1129	1139	1140
			1143	1174									
SUL2		SULU											
		REFERENCES:	504	686	846								
SUL1		SULZAU											
		REFERENCES:	906										
SUM2		SUMAVSKY											
		REFERENCES:	686										
SUM		SUMIRE MOCHI											
		REFERENCES:	412	800	1082	1084							
SUM1	*	SUMMIT											
		REFERENCES:	189	190	364	405	453	469	767	846			
SUN6	*	SUNAZIMUGI											
		REFERENCES:	482	483	1049								
SUN9	*	SUNBA											
		REFERENCES:	846										
SUN5		SUNCHUL 3											
		REFERENCES:	628										
SUN1	*	SUNDANCE											
		REFERENCES:	51	186	187	189	190	191	192	311	364	405	426
			427	695	809	846	1143	1175	1178				
SUN8	*	SUNGIA											
		REFERENCES:	405										
SUN2		SUNGMACK											
		REFERENCES:	628										
SUN3		SUNGMACK5											
		REFERENCES:	628										
SUN4		SUNGSUNG 16											
		REFERENCES:	628										
SUN7	*	SUNNA											
		SYNONYMS:	SCHF(663)										
		REFERENCES:	435	663	686								
SUN	*	SUNRISE											
		REFERENCES:	89	166	209	252	307	361	567	668	766	866	1170
SUP		SUPIAN											
		REFERENCES:	275										

CODE		FULL NAME				
SUR1		SURANSKY 129-I				
		REFERENCES:	102			
SUR		SURPRISE				
		REFERENCES:	469	767		
SUR2	*	SURRY				
		REFERENCES:	1016	1019		
SUS	*	SUSAN				
		REFERENCES:	405	663		
SUT	*	SUTTER				
		REFERENCES:	252	686	955	
SUV		SUVENIR				
		REFERENCES:	9	979	1084	
SUV1	*	SUVI				
		REFERENCES:	16	1051	1077	
SUWQ		SUWANHARUSU				
		REFERENCES:	739	740	832	
SUWT	*	SUWEON				
		REFERENCES:	1049			
SUWB		SUWEON 11				
		REFERENCES:	628			
SUWC		SUWEON 12				
		REFERENCES:	628			
SUW2	*	SUWEON 13				
		REFERENCES:	463	653	1087	
SUW3	*	SUWEON 14				
		REFERENCES:	653			
SUWD		SUWEON 15				
		REFERENCES:	522	628		
SUWE		SUWEON 16				
		REFERENCES:	628			
SUWS		SUWEON 165				
		REFERENCES:	677			
SUW	*	SUWEON 18				
		REFERENCES:	463	628	653	
SUWJ		SUWEON 19				
		REFERENCES:	628			
SUWA		SUWEON 2				
		REFERENCES:	628			
SUWF		SUWEON 21				
		REFERENCES:	628			
SUWR		SUWEON 25				
		REFERENCES:	153			
SUWK		SUWEON 27				
		REFERENCES:	628			
SUWL		SUWEON 28				
		REFERENCES:	628			
SUWM		SUWEON 29				
		REFERENCES:	628	783		
SUW8		SUWEON 3				
		REFERENCES:	628			
SUWN		SUWEON 30				
		REFERENCES:	628			
SUW5	*	SUWEON 31				
		REFERENCES:	240	522	653	
SUWO		SUWEON 32				
		REFERENCES:	628			
SUWG		SUWEON 33				
		REFERENCES:	628			
SUWH		SUWEON 34				
		REFERENCES:	628			
SUWP		SUWEON 35				
		REFERENCES:	628			
SUWI		SUWEON 37				
		REFERENCES:	628			
SUW4	*	SUWEON 4				
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SUW9		SUWEON 5				
		REFERENCES:	628			
SUW1	*	SUWEON 6				
		REFERENCES:	240	628	653	783
SUW7		SUWEON 7				
		REFERENCES:	628			
SUW6		SUWEON 8				
		REFERENCES:	628			

CODE		FULL NAME
SUZ		SUZAN
		REFERENCES: 236
SUZ2	*	SUZUKA HADAKA
		REFERENCES: 1049
SUZ1		SUZUMEYAKKO
		REFERENCES: 1049
SV60		SV 60426
		REFERENCES: 405
SV6		SV 61248
		REFERENCES: 1082
SV61		SV 61340
		REFERENCES: 30
SV80		SV 8089
		REFERENCES: 1176
SVA8		SVALOF
		REFERENCES: 82
SVAS		SVALOF ASA
		REFERENCES: 686
SVA5		SVALOF BONUS
		SEE ALSO: BON2
		REFERENCES: 247 273 575 686 1132
SVAP		SVALOF BRAGE
		REFERENCES: 686
SVAT		SVALOF BRIO
		REFERENCES: 686
SVAM		SVALOF CHEVALLIER
		REFERENCES: 895
SVAU		SVALOF EDDA 2
		REFERENCES: 686
SVA9		SVALOF FOMA
		SEE ALSO: FOM
		REFERENCES: 249
SVAA		SVALOF FREJA
		SEE ALSO: FRE
		REFERENCES: 1027
SVAB		SVALOF GOLD
		SEE ALSO: GUL
		REFERENCES: 292 694 906 976 1071
SVAQ		SVALOF GOLDKORN 91
		REFERENCES: 686
SVAL		SVALOF HANNA
		REFERENCES: 895
SVAJ		SVALOF HANNCHEN
		SEE ALSO: HAN
		REFERENCES: 627 816
SVAF		SVALOF HEIMDAL
		REFERENCES: 686 1132
SVA6		SVALOF HELLAS
		SEE ALSO: HEL1
		REFERENCES: 575
SVAW		SVALOF KAJSJA
		REFERENCES: 686
SVB2		SVALOF KRISTINA
		SEE ALSO: KRI
SVAN		SVALOF MARI
		SEE ALSO: MARD
		REFERENCES: 608 663
SVA2		SVALOF PALLAS
		SEE ALSO: PAL
		REFERENCES: 247 248 249 450 452
SVAV		SVALOF PRESTO
		REFERENCES: 686
SVAK		SVALOF PRIMUS
		SEE ALSO: PRI1
		REFERENCES: 895
SVAH		SVALOF PRINCESS
		REFERENCES: 102 627 686 895
SVAC		SVALOF SIEGES
		REFERENCES: 906
SVAR		SVALOF SVANHALS
		REFERENCES: 686
SVAI		SVALOF VICTORY
		REFERENCES: 410

CODE		FULL NAME
SVA7		SVALOF VISIR
		SEE ALSO: VIS
		REFERENCES: 575 663
SVAE		SVALOF YMER
		REFERENCES: 1132
SVAG		SVALOF 02025
		REFERENCES: 51
SVA3		SVALOF 04032
		SEE ALSO: PAL
		REFERENCES: 450
SVAD		SVALOF 1519
		REFERENCES: 1133
SVA	*	SVALOF 50/102
		REFERENCES: 45 210 255 461 663
SVB	*	SVALOF 65522
		REFERENCES: 846
SVB1	*	SVALOF 66367
		REFERENCES: 846
SVB3	*	SVALOF 71120
		REFERENCES: 1077
SVAO		SVALOF 8009
		REFERENCES: 574
SVA1		SVANHALS
		SYNONYMS: COU1(59) JOU (663) SWA2(40)
		REFERENCES: 112 242 252 262 285 371 379 457 460 461 464 468 469 470 474 498 505 538 658 705 712 841 895 906 1012 1047 1049 1082 1092 1098
SVA4	*	SVANSOTA
		REFERENCES: 242 252 384 457 464 469 470 538 775
SVAX		SVANSOTA 2
		REFERENCES: 705
SWA3		SWAINS
		REFERENCES: 877
SWA1	*	SWALLOW
		REFERENCES: 45 92 170 183 190 191 252 263 338 349 405 450 524 560 686 771 782 809 1077 1082 1150
SWA		SWAN
		REFERENCES: 118 208 218 221 379 399 464 575 587 588 592 704 884 903 1170
SWA2		SWAN NECK
		SEE ALSO: SVA1
		REFERENCES: 89 761 996
SWA4		SWART
		REFERENCES: 761
SWE2		SWEDISH
		REFERENCES: 469
SWE		SWEDISH PLUMAGE
		REFERENCES: 461
SWE1		SWEDISH STAR
		REFERENCES: 469
SWI		SWISS
		REFERENCES: 1002
SWI		SWISS SPRING
		REFERENCES: 252
SYL	*	SYLVIA
		REFERENCES: 576
SYM	*	SYMPA
		REFERENCES: 187 236 576 608
SYO		SYOKIMUGI
		REFERENCES: 483
SYR1		SYRIA
		REFERENCES: 829
SYR		SYRIAN GAZA
		SEE ALSO: WHI2
		REFERENCES: 469 829
SYS		SYSOLSKII 95
		REFERENCES: 704
SYU	*	SYUNSEI
		SEE ALSO: SHU2
		REFERENCES: 1012
SZA		SZALONTAI TAJFAJTA
		REFERENCES: 1110
SZE		SZEKACS 31
		REFERENCES: 115

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TU		T U
		REFERENCES: 608
TAW		TA WAUNG MIAOZ
		REFERENCES: 153
TAS2	*	TA-SEL
		REFERENCES: 639
TAC	*	TACA TRIFOLIUM
		REFERENCES: 249 405 846 1077
TAC1		TACHIRA 2
		REFERENCES: 252
TAG		TAGANROG
		REFERENCES: 469 1015
TAG1		TAGHA
		REFERENCES: 381
TAI4	*	TAIHAKU
		REFERENCES: 1049
TAI2		TAIHU
		REFERENCES: 866
TAI3		TAIKIOMUGI
		REFERENCES: 544
TAI	*	TAISHOMUGI
		REFERENCES: 637 740 1012 1043 1044 1049 1096 1189
TAI1		TAIYA
		REFERENCES: 1189
TAK	*	TAKESHITA
		SYNONYMS: JUG (653)
		REFERENCES: 75 614 635 636 653 690
TAL2		TAL
		REFERENCES: 190 846
TAL1		TALL COMFORT
		REFERENCES: 252 1163
TAL		TALL KENIA
		REFERENCES: 252
TAM6		TAMAMUGI
		REFERENCES: 617
TAM9	*	TAMANO HADAKA
		REFERENCES: 1049
TAM4	*	TAMARA
		REFERENCES: 364 663
TAM5		TAMBAR 401
		REFERENCES: 51 388
TAM7	*	TAMBAR 402
		REFERENCES: 388
TAM3		TAMESU
		REFERENCES: 706
TAM8		TAMINA
		REFERENCES: 756
TAM2	*	TAMMI
		SYNONYMS: WAS8(761)
		REFERENCES: 16 58 460 639 704 729 730 760 791 841 891 907 979 998 1046 1082 1090 1106 1107 1145 1146
TAM1		TAMPARKORN
		REFERENCES: 412
TAM	*	TAMU-ERA
		REFERENCES: 252 386
TAN5		TANAROO
		REFERENCES: 1013
TAN6		TANBAJIRO
		REFERENCES: 1049
TAN3		TANBASH
		REFERENCES: 469
TAN4		TANIA
		REFERENCES: 364 848
TAN2		TANIKAZE
		REFERENCES: 469 1049
TAN		TANIKAZE 105
		REFERENCES: 540 541 690 738
TAN1	*	TANIKAZE 2
		REFERENCES: 252 690 1049
TAP4	*	TAPGOLBORI
		REFERENCES: 677
TAP2	*	TAPIR
		REFERENCES: 574

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CODE          FULL NAME

TAP1   *  TAPLANI
            REFERENCES:    363  608  663  686  809  836 1174
TAP3      TAPLANI TAVASVI ARPA
            REFERENCES:    606
TAP       TAPP WINTER
            SEE ALSO:  WIN
            REFERENCES:    469
TAR5      TARASOVSKII
            REFERENCES:   1028
TAR3   *  TARAZONA
            REFERENCES:   1138
TAR4      TARDIA DE ERRO
            REFERENCES:   1138
TAR7   *  TARGET
            REFERENCES:    405
TAR       TARGU FRUMOS
            REFERENCES:    461
TAR6      TARGU FRUMOS 240
            REFERENCES:    888
TAR8      TARRA 26
            REFERENCES:    435
TAR2      TARTAR
            REFERENCES:    469  474
TAR1      TARUMIZU
            REFERENCES:    469
TAS       TASH-KALYAK
            REFERENCES:   1082
TAS1   *  TASHOMUGI
            REFERENCES:    739  832 1049
TAS3   *  TASMAN
            REFERENCES:    192  405  846
TAT       TATIEN
            REFERENCES:    469
TAU       TAUSTE
            REFERENCES:    877
TAV    *  TAVERN
            SYNONYMS:  DID ( 695)
            REFERENCES:    574
TAY    *  TAY
            REFERENCES:    405  846
TEB       TEBLETILLA
            REFERENCES:    628
TEE    *  TEEMU
            REFERENCES:     16 1051 1077
TEL1      TELLI
            REFERENCES:     76  469  783
TEL    *  TELLUS
            REFERENCES:    178  190  191  192  317  318  334  364  608  663  735
                          1084 1174
TEM1   *  TEMP
            REFERENCES:    686  987  989 1085 1086
TEM       TEMPRANA DE VALTERRA
            REFERENCES:   1138
TENB   *  TENARAB
            REFERENCES:    469  783
TEN    *  TENKOW
            REFERENCES:    252  469  579  580  585  866 1170
TENC      TENNESSEE
            REFERENCES:    469
TEN6   *  TENNESSEE BEARDLESS 5
            SYNONYMS:  BEA2(1170) BRU (1170) TEN7(1170) TEN8(1170)
            REFERENCES:     41  252  493 1170
TEN3   *  TENNESSEE BEARDLESS 6
            SYNONYMS:  BEA1(1170) TEN4(1170) TEN5(1170) YOR (1170)
            REFERENCES:     41  252  585 1170
TEN8      TENNESSEE HOODED 5
            REFERENCES:   1170
TEN5      TENNESSEE HOODED 6
            SYNONYMS:  HOO (9999)
            REFERENCES:    700 1004 1170
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CODE		FULL NAME
TEN1	*	TENNESSEE WINTER
		SEE ALSO: WIN2
		SYNONYMS: DUF (469) IND (469) MAS5(469) OHI1(469) SCO5(469) TEX1(41)
		REFERENCES: 41 76 113 133 200 206 252 277 316 360 363 405 431 469 474 492 493 494 498 503 580 616 628 721 727 783 827 866 918 1038 1075 1153 1170
TEND		TENNESSEE WINTER HOODED
		REFERENCES: 113
TEN2		TENNESSEE WINTER 52
		REFERENCES: 252 585 628 668 700 783 866 1170
TEN7		TENNESSEE 5
		SEE ALSO: TEN6
		REFERENCES: 1170
TEN4		TENNESSEE 6
		REFERENCES: 1170
TEN9		TENWASE
		REFERENCES: 142 252 567 766 783
TER4		TERASOL PIVOVARSKY
		REFERENCES: 686
TER	*	TERN
		SYNONYMS: HEI5(846) HEI5(332)
		REFERENCES: 120 149 178 187 190 191 311 332 334 363 364 405 453 560 608 715 735 809 871 1077 1087 1143 1173
TER3		TERNEL
		REFERENCES: 998
TER6	*	TERREX
		REFERENCES: 1077
TER2		TERSKII 3617
		REFERENCES: 628
TER1		TERWIN
		REFERENCES: 469
TES1		TESSAINI
		REFERENCES: 312
TES	*	TESTA
		SYNONYMS: ROB3(574)
		REFERENCES: 574
TET1		TETCHERIT
		REFERENCES: 469
TET		TETRAPLOID WALTER
		REFERENCES: 252
TEX	*	TEXAN
		REFERENCES: 40 41 386 405 461 493 580 1109 1163 1170
TEX1		TEXAS WINTER
		SEE ALSO: TEN1
		REFERENCES: 41 113 252 469 628 866 1075
THA1		THALHEIMER
		REFERENCES: 51
THA		THANET
		SYNONYMS: IMP8(469)
		REFERENCES: 469
THE1		THEISS
		REFERENCES: 654
THE		THEODORE
		REFERENCES: 252
THI1		THIBAUT
		REFERENCES: 236 364 848 1130
THI	*	THIRD OUTER GLUME
		REFERENCES: 576 968
THO1		THOMAS
		REFERENCES: 469
THO		THORPE
		REFERENCES: 469 479 815
THR		THREE-ROWED
		REFERENCES: 984
THU		THUMB
		REFERENCES: 137
TIB1		TIBET 969
		REFERENCES: 608
TIB2		TIBET 990
		REFERENCES: 608
TIB		TIBETGERSTE
		REFERENCES: 970

CODE		FULL NAME
TIF		TIFANG
		REFERENCES: 379 619 620 1164
TIF1		TIFLIS
		REFERENCES: 628 783
TII		TIITUS
		REFERENCES: 908
TIL	*	TILLI
		REFERENCES: 364 574 769
TIL1		TILOUGGUITE
		REFERENCES: 877
TIM1		TIMIRYAZEVSKII
		REFERENCES: 704
TIM		TIMIRYAZEVSKII 85
		REFERENCES: 600 601 997
TIN	*	TINTERN
		REFERENCES: 191 192 364 426 427 663
TIO		TIOGA
		REFERENCES: 469
TIP	*	TIPPER
		REFERENCES: 191 192 236 846
TIR4		TIRABA
		REFERENCES: 686
TIR2		TIRANA
		REFERENCES: 364
TIR		TIROLER
		REFERENCES: 252
TIR3		TIROLER IMPERIAL
		REFERENCES: 45
TIR1		TIROLER NACKTGERSTE
		REFERENCES: 101 359 875 944
TIS		TISOVSKII
		REFERENCES: 645 1028 1082
TIT	*	TITAN
		SYNONYMS: ALB1(1170)
		REFERENCES: 33 114 199 202 203 207 208 211 234 251 307 313 330 369 406 464 476 479 584 626 668 669 686 704 760 839 864 882 1015 1074 1084 1154 1163 1170
TIV		TIVANNES
		REFERENCES: 1002
TJE		TJEKOSLOVAKIST
		REFERENCES: 574
TOC1		TOCHIGI GOLDEN MELON 1
		REFERENCES: 690 1043 1044 1048 1192
TOC		TOCHIGI SEKITORI 1
		REFERENCES: 540 602 690 738 832 1192
TOC2		TOCKA
		REFERENCES: 769 972 974
TOH		TOHOKUKAWA 14
		REFERENCES: 665
TOK3		TOKAI
		REFERENCES: 1036
TOK4		TOKAI HADAKA 6
		REFERENCES: 1049
TOK		TOKAK
		REFERENCES: 340 431 535 596 608 644 727 1082
TOK2		TOKUJI
		REFERENCES: 676
TOK5		TOKUSHIMA CHINKO 83
		REFERENCES: 1049
TOK1	*	TOKUSHIMA MOCHI MUGI
		REFERENCES: 614 1082
TOL1		TOLL
		REFERENCES: 455
TOL		TOLLI
		REFERENCES: 608 628
TOL2		TOLUKA 1
		REFERENCES: 813 934
TON1		TONBORI
		REFERENCES: 617 866
TON2		TONGU
		REFERENCES: 866
TON4		TONGUBORI
		REFERENCES: 866

CODE		FULL NAME
TON		TONOT
		REFERENCES: 285
TON3		TONSARU
		REFERENCES: 866
TOO		TOOMAS
		REFERENCES: 381 708 1084 1085
TOP1	*	TOPAS
		REFERENCES: 145 686 1086 1116 1128
TOP2		TOPAZ
		REFERENCES: 607
TOP3		TOPLANI
		REFERENCES: 535 536
TOP	*	TOPPER
		REFERENCES: 45 230 771
TORF		TORANO-O
		REFERENCES: 1049
TOR	*	TORANO-O SAI 1
		REFERENCES: 252 1049
TORD		TORAO
		REFERENCES: 540
TORC	*	TORRALBA
		REFERENCES: 877
TOR1		TORRE HELLIN
		REFERENCES: 1138
TOR2	*	TORREHERMOSA 1
		REFERENCES: 1138
TOR3	*	TORREHERMOSA 2
		REFERENCES: 1138
TOR4	*	TORREHERMOSA 3
		REFERENCES: 1138
TOR5	*	TORREHERMOSA 4
		REFERENCES: 1138
TOR6	*	TORRELABAD Y EL SOLER 1
		REFERENCES: 1138
TOR7	*	TORRELABAD Y EL SOLER 2
		REFERENCES: 1138
TOR8	*	TORRELABAD Y EL SOLER 3
		REFERENCES: 1138
TOR9	*	TORRELABAD Y EL SOLER 4
		REFERENCES: 1138
TORA	*	TORRES DE BERRELLEN 1
		REFERENCES: 1138
TORB	*	TORRES DE BERRELLEN 2
		REFERENCES: 1138
TOS1		TOSAN KAWA 1
		REFERENCES: 1049
TOS		TOSCA
		REFERENCES: 49 364 608 757
TOT		TOTTORI
		REFERENCES: 1049
TOU	*	TOURETTES
		SYNONYMS: HATA(576)
		REFERENCES: 252 576 697 783
TOY1		TOYAMAKAWA 22
		REFERENCES: 665
TOY		TOYAMAKAWA 60
		REFERENCES: 665
TOY2		TOYAMAKAWA 63
		REFERENCES: 719
TOY3		TOYAMAKEI 222
		REFERENCES: 719
TOZ		TOZAM-SHIROHADAKA
		REFERENCES: 690
TP		TP 180
		REFERENCES: 657
TRA2		TRABUT
		REFERENCES: 139 618 1090 1121 1163
TRA6		TRACURA 50
		REFERENCES: 7
TRA3		TRADAK
		REFERENCES: 608 783

CODE		FULL NAME	
TRA	*	TRAILL	
		REFERENCES:	61 118 152 208 239 252 283 350 352 353 399 403 442 464 476 573 596 608 668 669 682 686 704 726 728 824 825 853 854 855 899 934 1033 1082 1088 1120 1168 1170
TRA1	*	TRAIT D'UNION	
		REFERENCES:	120 228 235 236 252 363 364 576 608 737 777 809 1082
TRA5		TRAMASO	
		REFERENCES:	654
TRA4	*	TRAPMAR	
		REFERENCES:	1060
TRE	*	TREBI	
		REFERENCES:	1 3 5 18 24 33 41 76 81 100 135 166 195 198 199 225 232 242 251 262 268 269 271 279 282 285 307 316 379 384 399 412 414 431 436 461 464 468 469 471 473 474 479 491 492 495 498 499 503 538 575 585 647 648 656 662 668 671 679 686 755 760 775 776 783 815 839 858 933 949 980 996 1006 1017 1018 1020 1025 1029 1036 1037 1038 1040 1042 1043 1050 1056 1074 1082 1088 1097 1100 1134 1154 1170 1171 1172 1175 1188 1189 1191
TRE4		TREBI 1	
		REFERENCES:	968
TRE3		TREDELL	
		REFERENCES:	252
TRE1	*	TREGAL	
		REFERENCES:	252 369 433 464 478 575 584 618 668 683 864 1163 1170
TRE6		TREMP 1	
		REFERENCES:	1138
TRE7		TREMP 2	
		REFERENCES:	1138
TRE2	*	TRENT	
		REFERENCES:	193 195 197 224 325 326 364 642 643 686 922 925 1084 1178
TRE5	*	TRESOR DU VELAY	
		REFERENCES:	101 354 355 576 1082
TRI1	*	TRIA	
		REFERENCES:	42 185 190 191 574 930 962 1082 1174
TRIE	*	TRIAS	
		REFERENCES:	45 98 405 560 846
TRIF		TRIBOT	
		REFERENCES:	154
TRIG		TRIBOT 231	
		REFERENCES:	154
TRI3		TRIBUTE	
		REFERENCES:	252
TRI6		TRIESDORF 473	
		REFERENCES:	189 190 191 574
TRIA		TRIESDORFER	
		REFERENCES:	360 777
TRI7		TRIFURCATE HULL-LESS	
		REFERENCES:	469
TRI2		TRIFURQUIE	
		REFERENCES:	371 760
TRIL	*	TRIGGER	
		REFERENCES:	846 877
TRIJ		TRIKEDRITT	
		REFERENCES:	608
TRI8		TRING	
		REFERENCES:	433
TRI		TRIPLE AWN LEMMA	
		REFERENCES:	87 88 100 360 405 608 609 626 783 835 1077
TRIH		TRIPLE BEARDED LEMMA	
		REFERENCES:	609 686
TRIB		TRIPLE BEARDED MARIOUT	
		REFERENCES:	773
TRII		TRIPLE HOOD	
		REFERENCES:	608
TRI4		TRIPOLI	
		REFERENCES:	252
TRIC	*	TRISTAN	
		REFERENCES:	405 486 487

CODE		FULL NAME
TRIM	*	TRIUMF (CZECH 1938) REFERENCES: 1128
TRI9		TRIUMPF REFERENCES: 686 687 882 989 1196
TRIK		TRIUMPH (GDR) SEE ALSO: TRI5 TRU REFERENCES: 191 192 434 1077
TRI5	*	TRIUMPH (UK) SYNONYMS: CRA (1082) REE (469) TRIK(191) REFERENCES: 192 236 252 426 427 552 818 836 943 989 1001 1082 1198
TRID		TRIUMPHANT REFERENCES: 89 484
TRO6		TROFIMOVSKAYA REFERENCES: 275
TRO5		TROJAN REFERENCES: 191
TRO4		TROMITTER REFERENCES: 816
TRO2	*	TRON SEJET REFERENCES: 364 663 686 1077 1176
TRO1		TROOPER REFERENCES: 469
TRO	*	TROPHY REFERENCES: 23 61 118 119 239 252 283 350 351 353 399 433 578 682 726 728 773 853 854 900 903 1082 1090
TRO3		TROSSENFELDER FRANKONIA 4999 REFERENCES: 777
TRU	*	TRUMPF SYNONYMS: TRIK(9999) REFERENCES: 54 145 190 191 192 258 364 405 434 576 608 663 673 674 685 686 756 809 928 945 987 1010 1084 1086 1087 1143 1175 1178
TRY		TRYSIL REFERENCES: 475
TSA		TSAIYA REFERENCES: 1189
TSC		TSCHERMAK SYNONYMS: ACKC(695) REFERENCES: 43 91 167 252 307 531 559 574 581 725 728 743 906 1092 1093
TSC2		TSCHERMAK A 2 RANGS D'HIVER SEE ALSO: TSC1* REFERENCES: 43
TSC5		TSCHERMAK ZWEIZEILIGE SOMMERGERSTE REFERENCES: 102
TSC6		TSCHERMAKS KNOTT REFERENCES: 877
TSC3		TSCHERMAKS NAKED WINTER BARLEY REFERENCES: 961
TSC1	*	TSCHERMAKS ZWEIZEILIGE WINTERGERSTE SYNONYMS: PRO4(1082) TRANSLATIONS: TSC2(FRE) REFERENCES: 42 43 53 102 148 574 663 1082
TSC4		TSCHERMAKS 2-ROWED REFERENCES: 90 92 246 816 976 1008 1152
TSE		TSELESTE 1274 REFERENCES: 980 1136
TSE1	*	TSELINNYI 5 REFERENCES: 9 129 395 834 890 979 1084 1085 1086 1087
TSI		TSINKE REFERENCES: 706
TSU	*	TSUKUBA HADAKA REFERENCES: 1049
TUC1		TUCK REFERENCES: 783
TUC		TUCKER REFERENCES: 252 866
TUC2		TUCSON EARLY REFERENCES: 877
TUC3		TUCSON LATE REFERENCES: 877

CODE		FULL NAME
TUD		TUDELA DE DUERO REFERENCES: 877
TUL		TULANSKII 283 REFERENCES: 997 1137
TUN2	*	TUN REFERENCES: 405 426
TUN1	*	TUNGA REFERENCES: 405 433 443
TUN	*	TUNIS SYNONYMS: STA1(1170) TRANSLATIONS: ORG (FRE) REFERENCES: 37 307 608 1109 1170
TUN3		TUNISIAN REFERENCES: 20 37
TUR9		TURBINE REFERENCES: 405
TUR		TURK REFERENCES: 21 195 379 916 1012 1032 1170 1172
TUR1		TURKESTAN REFERENCES: 285 469 1015
TUR6		TURKEY 290 REFERENCES: 1048 1078
TUR7		TURKEY 582 REFERENCES: 1048
TUR8		TURKEY 666 REFERENCES: 1045
TUR5		TURKISH REFERENCES: 51
TUR4	*	TURQUOISE REFERENCES: 102 378 663
TUX	*	TUXER NAKED REFERENCES: 743
TWE	*	TWEED REFERENCES: 191 192 846
TWO1		TWO AWNLETTED HUDSON REFERENCES: 581
TWO		TWO ROWED HULL-LESS SEE ALSO: BAK REFERENCES: 469
TWY	*	TWYFORD REFERENCES: 405
TYE		TYEICHYEN 5 REFERENCES: 463
TYR		TYRA REFERENCES: 186 187 190 191 192 311 364 686 695 862 1077 1143
TYS1		TYSTOFTE SEE ALSO: PRE2 REFERENCES: 82 252 906
TYS2		TYSTOFTE KARLS REFERENCES: 275
TYS	*	TYSTOFTE PRENTICE SEE ALSO: PRE2 REFERENCES: 81 156 519 531 695 1082
TZA		TZARSKI REFERENCES: 917
TZI		TZIA REFERENCES: 608
T4		T4 REFERENCES: 59 68
T5		T5 REFERENCES: 59 1054
UNOF		POLLEN MIXTURE OF(KRA6+KRA4+KUB1+PAM REFERENCES: 736
U28		U 28 REFERENCES: 1110
US6		U.S. 6 REFERENCES: 653
UMU1		U-MAN-MI-DA-MAI REFERENCES: 706
UAM		UAMTO REFERENCES: 232
UBA1		UBAMA BACO NAKED REFERENCES: 1105

CODE		FULL NAME
UBA		UBARNER BACO
		REFERENCES: 183 252
UCS		UC SIGNAL
		REFERENCES: 1188
UC	*	UC 566
		REFERENCES: 954 956 1188
UDA	*	UDARNIK
		REFERENCES: 298
UKI		UKIHAJIRO
		REFERENCES: 1049
ULB		ULBRIA
		REFERENCES: 608
ULM	*	ULME
		REFERENCES: 663 737 777 834 1150
UM		UM 43-1020
		REFERENCES: 499
UMA		UMANSKII
		REFERENCES: 390 437 438 736 818 979 1082
UMI		UMIS
		REFERENCES: 928
UNA	*	UNA
		REFERENCES: 47 1009 1026 1082 1150
UNC		UNCASTILLO
		REFERENCES: 377
UND		UNDIME
		REFERENCES: 574
UNG		UNGAON
		REFERENCES: 232
UNG1		UNGAR R52
		REFERENCES: 574
UNI5		UNICULM
		REFERENCES: 252 608
UNI		UNION
		SYNONYMS: FIR3(1150)
		REFERENCES: 9 23 30 43 45 47 53 54 76 84 86 92 123 146 170 171 181 185 210 228 230 254 255 263 304 335 343 349 361 363 364 372 375 379 392 393 403 405 469 513 515 516 524 576 608 609 628 638 659 686 734 756 757 771 777 782 809 819 820 831 882 928 945 975 985 1008 1009 1014 1026 1082 1086 1088 1090 1112 1128 1129 1135 1150 1152 1156 1157 1158 1160 1164 1173 1174 1175
UNI2		UNION BEARDLESS
		REFERENCES: 76 252 1170
UNI6		UNION WINTER
		REFERENCES: 252 469
UNI7		UNIQUE
		REFERENCES: 163
UNI3	*	UNITAN
		REFERENCES: 23 51 193 195 252 313 508 596 647 648 728 788 824 825 1166
UNI9	*	UNIVERSAL (GERMANY)
		REFERENCES: 363
UNI8	*	UNIVERSAL (USSR 1944)
		REFERENCES: 298
UNI4	*	UNIVERSE
		REFERENCES: 187 190 311 338 364 487 593 608 696 1143
UNI1	*	UNIVERSITY OF MANITOBA 570
		REFERENCES: 252 1170
UNK4		UNKNOWN BULK HYBRID
		REFERENCES: 41
UNK2		UNKNOWN CVAR
		REFERENCES: 1170
UNKJ		UNKNOWN CVAR
		REFERENCES: 663
UNK5		UNKNOWN CVAR
		REFERENCES: 183
UNK6		UNKNOWN CVAR
		REFERENCES: 43
UNK1		UNKNOWN CVAR IN OREGON
		REFERENCES: 1170
UNK8		UNKNOWN CVAR-AMERICAN SMOOTH AWNED
		REFERENCES: 43 1082

CODE		FULL NAME
UNK1		UNKNOWN CVAR-AUSTRALIA
		REFERENCES: 912
UNK3		UNKNOWN CVAR-AUSTRIAN
		REFERENCES: 1170
UNK9		UNKNOWN CVAR-CENTRAL EUROPE
		REFERENCES: 1082
UNKC		UNKNOWN CVAR-FINNLAND
		REFERENCES: 656
UNKG		UNKNOWN CVAR-FRANCE
		REFERENCES: 147
UNK		UNKNOWN CVAR-HORSFORD TYPE
		REFERENCES: 1170
UNKE		UNKNOWN CVAR-KHARKOV USSR
		REFERENCES: 1189
UNK7		UNKNOWN CVAR-MIXED SEED-SWEDEN
		REFERENCES: 43
UNKF		UNKNOWN CVAR-MORAVIA
		REFERENCES: 102
UNKD		UNKNOWN CVAR-TIBET
		REFERENCES: 656
UNKH		UNKNOWN CVAR-VANCOUVER CANADA
		REFERENCES: 16 639 729
UNKB		UNKNOWN CVAR-2 ROWED
		REFERENCES: 469
UNKA		UNKNOWN CVAR-4 ROWED
		REFERENCES: 469
UNNF		UNNAMED (UM 570)
		REFERENCES: 226 350 352 406 773 853 854 857
UNQ2		UNNAMED CVAR (A 044)
		REFERENCES: 405
UNRE		UNNAMED CVAR (ASIATIC 4-ROW BARLEY)
		REFERENCES: 846
UNRG		UNNAMED CVAR (A61718)
		REFERENCES: 846
UNO5	*	UNNAMED CVAR (B 138)
		REFERENCES: 350 352 773
UNR		UNNAMED CVAR (B 247)
		REFERENCES: 576
UNQT		UNNAMED CVAR (BR M 45-680)
		REFERENCES: 193
UNQP		UNNAMED CVAR (BR 3902)
		REFERENCES: 193
UNNB		UNNAMED CVAR (BR 57-754)
		REFERENCES: 190 191 193 224
UNNH		UNNAMED CVAR (BR 5750-2)
		REFERENCES: 899
UNRV		UNNAMED CVAR (BREEDERS STRAIN)
		REFERENCES: 846
UNNQ		UNNAMED CVAR (BREUNS LINE I3KI)
		REFERENCES: 1082
UNNR		UNNAMED CVAR (BREUNS LINE I51)
		REFERENCES: 1082
UNNE		UNNAMED CVAR (B247)
		REFERENCES: 226 405
UNRJ		UNNAMED CVAR (C-3-51)
		REFERENCES: 846
UNN	*	UNNAMED CVAR (CAPE X COAST)
		REFERENCES: 809 945 946 996 1158
UNN2		UNNAMED CVAR (CB 788)
		REFERENCES: 182
UNN1		UNNAMED CVAR (CB 825)
		REFERENCES: 182 302 1156
UNO1		UNNAMED CVAR (CI 1179)
		REFERENCES: 956 959
UNO9		UNNAMED CVAR (CI 1237)
		REFERENCES: 663 955
UNOW		UNNAMED CVAR (CI 2376)
		REFERENCES: 951
UNOK		UNNAMED CVAR (CI 3208/1)
		REFERENCES: 1012
UNOJ		UNNAMED CVAR (CI 3576)
		REFERENCES: 1012
UNP2		UNNAMED CVAR (CI 3906-1)
		REFERENCES: 190 846

CODE	FULL NAME
UNQ1	UNNAMED CVAR (CI 4219) REFERENCES: 405
UNPO	UNNAMED CVAR (CI 5631) REFERENCES: 405
UNPH	UNNAMED CVAR (CI 5631) REFERENCES: 405
UNQO	UNNAMED CVAR (CI 5791) REFERENCES: 193
UNNG	UNNAMED CVAR (CI 7117-77) REFERENCES: 226 353
UNN5	UNNAMED CVAR (C205) REFERENCES: 185 190 351
UNNP	UNNAMED CVAR (EJ/5/1) REFERENCES: 1082
UNN9	UNNAMED CVAR (ENGLENS LINE A 989) REFERENCES: 42 405 574 846 930
UNOR	UNNAMED CVAR (FDE 244-95) REFERENCES: 190 191 331 574 1161
UNRL	UNNAMED CVAR (F2 BULK POPULATION) REFERENCES: 846
UNRK	UNNAMED CVAR (G X AG X B) REFERENCES: 846
UNNC	UNNAMED CVAR (GB6) REFERENCES: 224
UNNI	UNNAMED CVAR (H. SPONTANEUM) REFERENCES: 42 373 574 1155
UNPR	UNNAMED CVAR (HADM 46459/68) REFERENCES: 405
UNPQ	UNNAMED CVAR (HADM 5547/67) REFERENCES: 405 663
UNPJ	UNNAMED CVAR (HALLE ST 5157/44) REFERENCES: 405
UNQG	UNNAMED CVAR (HB 279/5/1/3) REFERENCES: 405
UNOL	UNNAMED CVAR (HB 380/22) REFERENCES: 335
UNPM	UNNAMED CVAR (HB 855/467) REFERENCES: 405
UNPI	UNNAMED CVAR (HP 120323) REFERENCES: 405
UNOO	UNNAMED CVAR (HY 1148) REFERENCES: 453
UNN4	UNNAMED CVAR (HYBRID 456) REFERENCES: 185 857
UNR9	UNNAMED CVAR (K 6857) REFERENCES: 1085
UNRB	UNNAMED CVAR (K-17034) REFERENCES: 1112
UNRA	UNNAMED CVAR (K-9247) REFERENCES: 1085
UNPK	UNNAMED CVAR (KLEINWANZLEBEN ST 2161 REFERENCES: 405
UNOV	UNNAMED CVAR (KOREA) REFERENCES: 746
UNPE	UNNAMED CVAR (L 100) REFERENCES: 405
UNQI	UNNAMED CVAR (L 456) REFERENCES: 405
UNP1	UNNAMED CVAR (L 92) SEE ALSO: L92 REFERENCES: 190 191
UNPG	UNNAMED CVAR (LBW 6153 P40) REFERENCES: 405
UNNN	UNNAMED CVAR (LINE J 51) REFERENCES: 1082
UNNO	UNNAMED CVAR (LINE J3K) REFERENCES: 1082
UNNV	UNNAMED CVAR (LINE 10707) REFERENCES: 1082
UNOX	UNNAMED CVAR (LINE 1433) REFERENCES: 190 191
UNN6	UNNAMED CVAR (LINE 207) REFERENCES: 186 188 190 191 192 1160

CODE	FULL NAME
UNPX	UNNAMED CVAR (LW 64192) REFERENCES: 405
UNP5	UNNAMED CVAR (MG 240-58) REFERENCES: 190
UNPA	UNNAMED CVAR (MG 60020) REFERENCES: 191
UNP9	UNNAMED CVAR (MG 60122) REFERENCES: 191
UNP7	UNNAMED CVAR (MG 64347) REFERENCES: 190 846
UNP8	UNNAMED CVAR (MGH 63199) REFERENCES: 190
UNO8	UNNAMED CVAR (MINNESOTA 64-98-8) REFERENCES: 741 742
UNQW	UNNAMED CVAR (MT 84366) REFERENCES: 193
UNQN	UNNAMED CVAR (MUTANT 31M15) REFERENCES: 987
UNO4	UNNAMED CVAR (N.D. B133) SEE ALSO: GEM2 REFERENCES: 574 773 846
UNQX	UNNAMED CVAR (ND B130) REFERENCES: 353
UNOA	UNNAMED CVAR (NDB 112) REFERENCES: 855 902
UNN3	UNNAMED CVAR (NO 259711) REFERENCES: 182 576
UNQY	UNNAMED CVAR (PB 26) REFERENCES: 576
UNP4	UNNAMED CVAR (PT.W.20) REFERENCES: 190
UNND	UNNAMED CVAR (PURDUE B466A1-17-15-15 REFERENCES: 225
UNQU	UNNAMED CVAR (QB 113.1) REFERENCES: 193
UNNT	UNNAMED CVAR (R 22) REFERENCES: 1082
UNQA	UNNAMED CVAR (RA5002/69) REFERENCES: 405
UNQL	UNNAMED CVAR (RM 792/7) REFERENCES: 405
UNOM	UNNAMED CVAR (RMGH 59114) REFERENCES: 945
UNP3	UNNAMED CVAR (RMGH 61229) REFERENCES: 191
UNQE	UNNAMED CVAR (RPB 112/69) REFERENCES: 405
UNS3	UNNAMED CVAR (RPB 16-71) REFERENCES: 192
UNQF	UNNAMED CVAR (RPB 576/70) REFERENCES: 405
UNQD	UNNAMED CVAR (RPB 611/71) REFERENCES: 405
UNS4	UNNAMED CVAR (RPB 64-74) REFERENCES: 192
UNQ9	UNNAMED CVAR (R26/73C) REFERENCES: 405
UNPY	UNNAMED CVAR (ST 11191/59) REFERENCES: 405
UNQ7	UNNAMED CVAR (ST 12504) REFERENCES: 405
UNS5	UNNAMED CVAR (ST 1373) REFERENCES: 1128
UNQ	UNNAMED CVAR (ST 14008/64/3) REFERENCES: 405
UNPB	UNNAMED CVAR (ST 1402964/9) REFERENCES: 191 576
UNQK	UNNAMED CVAR (ST 1435) REFERENCES: 405
UNPZ	UNNAMED CVAR (ST 46459/68) REFERENCES: 405
UNPW	UNNAMED CVAR (ST 49619/68) REFERENCES: 405

CODE	FULL NAME
UNRD	UNNAMED CVAR (ST 8530) REFERENCES: 576
UNNJ	UNNAMED CVAR (ST.5.19) REFERENCES: 1155 1156
UNRO	UNNAMED CVAR (STAMM CPB) REFERENCES: 663
UNPT	UNNAMED CVAR (SV A 56888) REFERENCES: 405
UNQ8	UNNAMED CVAR (SVP 674) REFERENCES: 405
UNP6	UNNAMED CVAR (TCE 141) REFERENCES: 190 191
UNQV	UNNAMED CVAR (TR 409) REFERENCES: 193 846
UNQJ	UNNAMED CVAR (TRIFOLIUM ERECTOIDES L REFERENCES: 405 846
UNQZ	UNNAMED CVAR (UC 155.9) REFERENCES: 576
UNRR	UNNAMED CVAR (VD H 66323) REFERENCES: 663
UNRC	UNNAMED CVAR (VIR 19375) REFERENCES: 1112
UNRT	UNNAMED CVAR (VL-P) REFERENCES: 663
UNQR	UNNAMED CVAR (W 17-68) REFERENCES: 193
UNQB	UNNAMED CVAR (W 259-411) REFERENCES: 405
UNQH	UNNAMED CVAR (W 5342) REFERENCES: 405
UNPU	UNNAMED CVAR (W 5925) REFERENCES: 405
UNPV	UNNAMED CVAR (W 6122) REFERENCES: 405
UNQQ	UNNAMED CVAR (W 82-68) REFERENCES: 193
UNQC	UNNAMED CVAR (WB 13/4) REFERENCES: 405
UNR3	UNNAMED CVAR (WEIHENSTEPHAN L 259-71 REFERENCES: 576
UNOU	UNNAMED CVAR (WEISSENHAUSE 382/49) REFERENCES: 405 574
UNPD	UNNAMED CVAR (WW 5853) REFERENCES: 405
UNO	UNNAMED CVAR (WW5793 X WW5853) REFERENCES: 190 809
UNRM	UNNAMED CVAR (W25-69) REFERENCES: 846
UNRN	UNNAMED CVAR (W4-69) REFERENCES: 846
UNOY	UNNAMED CVAR (10221) REFERENCES: 190 191
UNR2	UNNAMED CVAR (1038) REFERENCES: 576
UNRU	UNNAMED CVAR (1115) REFERENCES: 663
UNOT	UNNAMED CVAR (12563) REFERENCES: 405 574
UNNA	UNNAMED CVAR (1427) SEE ALSO: ACKG REFERENCES: 42 188 405 434 846
UNPL	UNNAMED CVAR (15533 CO) REFERENCES: 192
UNOZ	UNNAMED CVAR (176) REFERENCES: 190 191
UNRH	UNNAMED CVAR (1911) REFERENCES: 846
UNPN	UNNAMED CVAR (1923) REFERENCES: 405
UNR6	UNNAMED CVAR (21) REFERENCES: 576
UNQS	UNNAMED CVAR (222-69) REFERENCES: 193

CODE		FULL NAME
UNNS		UNNAMED CVAR (254/650)
		REFERENCES: 1082
UNR5		UNNAMED CVAR (27.2)
		REFERENCES: 576
UNRW		UNNAMED CVAR (270)
		REFERENCES: 663
UNPP		UNNAMED CVAR (321/482)
		REFERENCES: 405
UNR1		UNNAMED CVAR (33)
		REFERENCES: 576
UNOP		UNNAMED CVAR (3412)
		REFERENCES: 574
UNNU		UNNAMED CVAR (348/342)
		REFERENCES: 42 1082
UNR7		UNNAMED CVAR (362)
		REFERENCES: 576
UNPF		UNNAMED CVAR (39)
		REFERENCES: 405
UNOQ		UNNAMED CVAR (3941)
		REFERENCES: 574
UNRP		UNNAMED CVAR (575 10-44)
		REFERENCES: 663
UNPC		UNNAMED CVAR (5793)
		REFERENCES: 405 846
UNRI		UNNAMED CVAR (597)
		REFERENCES: 846
UNR8		UNNAMED CVAR (610)
		REFERENCES: 576
UNQ5		UNNAMED CVAR (6122)
		REFERENCES: 405
UNRF		UNNAMED CVAR (6271)
		REFERENCES: 846
UNQ4		UNNAMED CVAR (65/44)
		REFERENCES: 405
UNON		UNNAMED CVAR (6511)
		REFERENCES: 1003 1069
UNQ6		UNNAMED CVAR (65509)
		REFERENCES: 405
UNRQ		UNNAMED CVAR (6718)
		REFERENCES: 663
UNQ3		UNNAMED CVAR (69545/9)
		REFERENCES: 405
UNN7		UNNAMED CVAR (702/52)
		REFERENCES: 188 190 191 574
UNR4		UNNAMED CVAR (81.2)
		REFERENCES: 576
UNOS		UNNAMED CVAR (835/36)
		REFERENCES: 574
UNQM		UNNAMED CVAR (989)
		REFERENCES: 930
UNNK		UNNAMED CVAR F4 451
		REFERENCES: 653
UNNM		UNNAMED CVAR JS
		REFERENCES: 453
UNNL	*	UNNAMED CVAR R22
		REFERENCES: 453
UNN8		UNNAMED CVAR 191)
		REFERENCES: 185 319 405 663
UNOB		UNNAMED CVAR(B(WASEHAKKOKU X HO 65))
		REFERENCES: 614
UNO3	*	UNNAMED CVAR(BR. 5755-3)
		REFERENCES: 185 350 351 773
UNO2		UNNAMED CVAR(CI 4738)
		REFERENCES: 352 773
UNO6		UNNAMED CVAR(MI 62-431-17)
		REFERENCES: 416
UNO7		UNNAMED CVAR(MI 62-434-1)
		REFERENCES: 416
UNOG		UNNAMED CVAR(NO.60)
		REFERENCES: 736
UNNW		UNNAMED CVAR(NUTANS TYPE)
		REFERENCES: 806
UNNZ		UNNAMED CVAR(TR. A. L.)
		REFERENCES: 302 809

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CODE          FULL NAME

UNOE      UNNAMED CVAR(TRIFURCATUM)
            REFERENCES:    624  625
UNOD      UNNAMED CVAR(UNSPECIFIED NORWEGIAN C
            REFERENCES:    345
UNOC      UNNAMED CVAR(UNSPECIFIED SWEDISH CVA
            REFERENCES:    345
UNO1      UNNAMED CVAR(WA 1255-60)
            REFERENCES:    826
UNNY      UNNAMED CVAR(14029416)
            REFERENCES:    192  663  809
UNOH      UNNAMED CVAR(179 VAR RICOTENSE SUBVA
            REFERENCES:   1189
UNNX      UNNAMED HYBRID(HEINES LINE)
            REFERENCES:    809
UNU       UNUMLI ARPA
            REFERENCES:     51   80  706  707  979 1037 1082 1085 1086 1087 1090
                           1103
UNV       UNVAISTE
            REFERENCES:    875
URA    *  URANIA
            REFERENCES:     87  115  178  574  663  846 1082
URB       URBANOWICKI
            REFERENCES:    252
URG       URGEL
            REFERENCES:    877
URO       URONES
            REFERENCES:    877
URO1      UROZHAINYI
            REFERENCES:    645
URT    *  URTE
            SYNONYMS:  FIR9(  94)
            REFERENCES:     46  893 1026 1082 1150
URU       URUGUAJSKII
            REFERENCES:    686
URU1      URUGUAY
            REFERENCES:    877
USE    *  USED 1
            REFERENCES:   1138
USE1   *  USED 2
            REFERENCES:   1138
USE2   *  USED 3
            REFERENCES:   1138
USP    *  USPEH
            REFERENCES:    166  298 1136
USS       USSR 13031
            SYNONYMS:  KRU ( 559)
USS1      USSURIISKII 8
            REFERENCES:    329  645  686 1082
UST       USTINOVSKII
            REFERENCES:    813
USU       USUMAKI
            REFERENCES:    252
UTA1      UTA
            REFERENCES:    187  364
UTA       UTAH WINTER
            SEE ALSO:  WIN
            REFERENCES:     76  252  934 1170
UUR1   *  UURAINEN
            REFERENCES:    639
UUR       UURAISTENOHRA
            REFERENCES:    102  791  841 1106
UYE       UYETAKE
            REFERENCES:    469
UZB       UZBEKSKII
            REFERENCES:    979
UZU       UZU
            REFERENCES:    541  617 1039 1040 1042
VME       V MEX 2
            REFERENCES:    611
VPA       V PALLIDUM 1337
            REFERENCES:    611
VWE       V WELL
            REFERENCES:    611
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CODE		FULL NAME											
V11		V 11941											
		REFERENCES:	611										
V16		V 16 P											
		REFERENCES:	232										
VAD	*	VADA											
		REFERENCES:	45	92	123	125	145	170	178	180	184	185	186
			187	188	189	190	191	192	247	284	292	311	320
			338	361	363	364	370	379	381	405	435	450	453
			486	487	513	514	524	535	560	575	593	608	686
			693	695	696	735	771	782	804	809	845	846	945
			946	1014	1077	1082	1143	1158	1177				
VAD1		VADA (CM)											
		REFERENCES:	180										
VAD2		VADA 4											
		REFERENCES:	535										
VAG		VAGABOND											
		REFERENCES:	87	252	403	783							
VAI		VAIROGS											
		REFERENCES:	339	381	645	1082							
VAK	*	VAKHAN 1											
		REFERENCES:	1085										
VALG		VALAKS											
		REFERENCES:	275										
VALD		VALDER											
		REFERENCES:	979										
VAL2	*	VALE											
		REFERENCES:	18	279	281	518	795						
VAL1	*	VALE 70											
		REFERENCES:	518										
VALB		VALENCIA DEL CID											
		REFERENCES:	877										
VAL	*	VALENTINE											
		REFERENCES:	5	95	210	252	464	527	575				
VAL8	*	VALETA											
		REFERENCES:	190	364	663								
VAL9		VALJA											
		REFERENCES:	364	1010									
VALA		VALKI											
		REFERENCES:	33	232	671	686	816						
VAL7	*	VALKOW											
		REFERENCES:	469										
VAL3		VALMORE											
		REFERENCES:	252	1072									
VALC		VALPALMAS											
		REFERENCES:	877										
VALF		VALTICE											
		REFERENCES:	101										
VAL4	*	VALTICKY											
		REFERENCES:	30	32	33	290	323	392	467	684	685	686	687
			709	733	818	836	865	906	933	979	997	1081	1082
			1090	1116	1124	1125	1126	1127	1128	1196	1197	1198	1199
VAL5		VALTICKY B											
		REFERENCES:	906	943	1082								
VALE		VALTICKY C											
		REFERENCES:	101										
VAL6		VALTICKY(XR)											
		REFERENCES:	146	836	943	1081	1082	1085	1086				
VAM		VAMA											
		REFERENCES:	275										
VAN3	*	VANCE											
		REFERENCES:	433	517	1090	1170							
VAN4		VANCE SMYRNA											
		REFERENCES:	584	864	1163	1170							
VAN9		VANESSA											
		REFERENCES:	365										
VAN	*	VANGUARD (NILAN 1971)											
		SYNONYMS: VAN7(9999)											
		REFERENCES:	51	252	380	469	587	591	686	728	822	1084	1165
VAN7	*	VANGUARD (PRE 1925)											
		SEE ALSO: VAN											
		REFERENCES:	469										
VAN5		VANIER											
		REFERENCES:	193	195	197	225	326	364	642	643	924	925	1084
			1086										

CODE		FULL NAME										
VAN8	*	VANJA										
		REFERENCES:	424	846								
VAN6	*	VANKKURI										
		REFERENCES:	16	166	252	639	729	730	760	791	841	1107
VAN1		VANTAGE										
		REFERENCES:	22	200	202	203	213	214	218	221	222	223 225
			226	234	239	251	252	313	350	399	430	433 436
			464	508	527	584	586	587	588	589	592	647 648
			669	686	704	728	864	900	902	922	925	927 934
			1023	1036	1043	1044	1074	1082	1084	1088	1112	1163 1170
			1179	1180	1181	1182	1183	1184	1197			
VAN2		VANTMORE										
		REFERENCES:	51	202	203	214	218	221	223	225	226	252 350
			413	464	586	588	589	591	592	686	728	922 925
			997	1023	1074	1082	1089	1170	1179	1180	1181	1182 1183
			1183	1184								
VAR2		VARAGAN 24										
		REFERENCES:	413									
VAR1	*	VARDE										
		REFERENCES:	4	16	150	166	460	608	686	704	729	730 836
			882	1082	1107							
VAR	*	VARUNDA										
		REFERENCES:	185	187	190	191	192	311	364	593	608	686 809
			1077	1143								
VAT		VATONGA										
		REFERENCES:	191									
VAU	*	VAUGHN										
		REFERENCES:	24	35	41	81	114	166	252	344	379	403 414
			433	464	468	493	495	575	578	640	653	668 669
			706	916	1012	1038	1144	1154	1170			
VEG	*	VEGA										
		SYNONYMS: VEG1(9999)										
		REFERENCES:	16	307	364	378	460	461	579	729	730	791 841
			1060	1077	1106	1107	1170					
VEG1		VEGA ABED										
		SEE ALSO: VEG										
		REFERENCES:	364									
VEG2	*	VEGETATAVNYI 3										
		REFERENCES:	420									
VEL6		VELEBIT										
		REFERENCES:	1176									
VEL5		VELIKAN										
		REFERENCES:	166									
VEL4	*	VELLAVIA										
		REFERENCES:	252	355	576	836						
VEL	*	VELVET										
		REFERENCES:	1	2	27	76	100	166	199	200	212	225 242
			251	252	262	282	285	384	413	464	468	479 488
			490	491	537	538	616	679	686	759	775	816 839
			1015	1084	1170							
VEL1	*	VELVON										
		REFERENCES:	24	252	433	464	479	518	618	668	755	852 864
			933	1154	1163	1170	1185					
VEL2	*	VELVON 11										
		REFERENCES:	17	199	252	479	527	584	640	864	1144	1154 1170
			1185									
VEL3	*	VELVON 17										
		REFERENCES:	252	1170								
VEN1	*	VENA										
		REFERENCES:	364	443	1176							
VEN3		VENDI PA MALA										
		REFERENCES:	686									
VEN		VENDRELL										
		REFERENCES:	1138									
VEN2		VENUS										
		REFERENCES:	866									
VER4		VERBESSERTE MEHLTAURESISTENTE PUMPER										
		REFERENCES:	53									
VER2		VERGA										
		REFERENCES:	1138									
VER		VERIGOT										
		REFERENCES:	252	608								
VER3	*	VERKHNYACHESKII 6										
		REFERENCES:	1037	1090	1189							

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CODE          FULL NAME

VER1      VERKHNYACHESKII 8
            REFERENCES:   645  720  874 1037 1073 1076 1082
VER5      VERMONT BEARDLESS
            REFERENCES:    76
VET   *   VETULIO
            REFERENCES:  1013
VG0       VG 063
            REFERENCES:    65
VG5       VG 57139
            REFERENCES:  1082
VIA       VIATSKY 1.163
            REFERENCES:   102
VIC5      VICH
            REFERENCES:  1138
VIC1      VICTOIRE
            SEE ALSO:  VIC *
            REFERENCES:    43  102  252  355
VIC3      VICTOR
            REFERENCES:   469
VIC4      VICTORIA
            SYNONYMS:  IRL (1092) VIC6( 654)
            REFERENCES:   355  364  469  574  654  761 1092
VIC6      VICTORIA BIG
            SEE ALSO:  VIC4
            REFERENCES:   654
VIC   *   VICTORY
            TRANSLATIONS:  SEG (GER) SEG1(GER) VIC1(FRE)
            REFERENCES:    27   43   76   89   92  162  167  170  178  252  371
                          423  484  503  531  663  669  695  713  725  729  730
                          759  771  779  782  790  916  976  977 1064 1082 1170
VIC2      VICTORY (FINNISH)
            TRANSLATIONS:  VOI (FIN)
            REFERENCES:  1107
VID   *   VIDEO
            REFERENCES:   190  191  192  405  846
VIE1  *   VIENNA
            SYNONYMS:  PRO7(1082)
            REFERENCES:    30   45  256  361  686  831 1082 1088
VIE       VIERZEILIGE WINTERGERSTE
            SEE ALSO:  FIR4
            TRANSLATIONS:  ORG4(FRE)
            REFERENCES:    42   43  574 1082
VIG1      VIGDIS BYNG
            REFERENCES:   686
VIG2      VIGLASKY POLOJEMNY
            REFERENCES:   686
VIG   *   VIGTIS
            REFERENCES:   443  460  608  686 1082
VIJ       VIJAYA
            REFERENCES:    68
VIK       VIKTORIA
            SYNONYMS:  ACKL(9999) MAH1( 663)
            REFERENCES:   252
VIL1      VILAND
            REFERENCES:  1082
VIL2      VILANOVA DE MEYA 1
            REFERENCES:  1138
VIL3      VILANOVA DE MEYA 2
            REFERENCES:  1138
VIL   *   VILLA
            REFERENCES:   120  364  372  405  504  603  608  663  783  871  963
                         1129 1173 1174 1176
VIL4  *   VILLANUEVA DE GALLEGO 1
            REFERENCES:  1138
VIL5  *   VILLANUEVA DE GALLEGO 2
            REFERENCES:  1138
VILC  *   VILLARIA
            REFERENCES:   846
VIL6      VILLARROBLEDO 1
            REFERENCES:  1138
VIL7      VILLARROBLEDO 2
            REFERENCES:  1138
VIL8      VILLARROBLEDO 3
            REFERENCES:  1138
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CODE		FULL NAME
VIL9		VILLARROBLEDO 4
		REFERENCES: 1138
VILA	*	VILLASTAR 1
		REFERENCES: 1138
VILB		VILMORIN S
		REFERENCES: 102
VIM		VIMA
		REFERENCES: 360 783
VIM1		VIMA 4-3
		REFERENCES: 576
VIN	*	VINDICAT
		SYNONYMS: MAV8(663)
		REFERENCES: 115 166 252 355 574 663 866
VIN1	*	VINER
		SYNONYMS: WIN8(9999)
		REFERENCES: 10 149 298 329 330 402 413 437 438 439 440 441 445 600 601 645 650 686 687 704 706 707 708 709 736 787 806 810 811 812 863 882 894 932 979 986 997 1001 1014 1034 1035 1036 1076 1081 1082 1083 1087 1088 1089 1090 1117 1136 1189 1194 1196 1198
VIN5		VINER 1163
		REFERENCES: 610 1076
VIN3		VINER 80
		REFERENCES: 986
VIN2	*	VINESCO
		REFERENCES: 42 98 168 574 663 1082 1112
VIN7		VINNICKII 128
		REFERENCES: 686
VIN6		VINNICKII 3
		REFERENCES: 686 979 1085 1086
VIN8	*	VINNICKII 6
		REFERENCES: 979
VIN4		VINOSNY
		REFERENCES: 997
VIO1		VIOLETTA
		REFERENCES: 53 54 364 1009 1135 1152
VIO	*	VIOLETTA 2
		REFERENCES: 252 608 686 846 1008 1135
VIO2	*	VIOLETTE
		REFERENCES: 371 405 1082
VIO3	*	VIOLETTE 2
		REFERENCES: 405
VIR2		VIRGA
		REFERENCES: 848
VIR	*	VIRGINIA HOODED
		REFERENCES: 469 721 937
VIR1		VIRGINIA SELECTION
		REFERENCES: 469
VIS1		VISA
		REFERENCES: 1081
VIS	*	VISIR
		SYNONYMS: SVA7(9999)
		REFERENCES: 145 363 392 608 686 1077
VIV		VIVA
		REFERENCES: 236 1130
VIZ		VIZER
		REFERENCES: 812 1084
VLA		VLADIVOSTOK
		REFERENCES: 1072
VOG3		VOGEL
		REFERENCES: 989
VOG5	*	VOGEL'S WEIHENSTEPHANER
		REFERENCES: 663 816
VOG4	*	VOGELS AGAER
		REFERENCES: 87 246 663 816 846
VOG2	*	VOGELSANGER FRUH
		REFERENCES: 364 574 769
VOG	*	VOGELSANGER GOLD
		REFERENCES: 42 103 120 364 392 574 689 769 809 846 974 987 1082
VOG1	*	VOGUE
		REFERENCES: 364 405 576 608 757 846 935

CODE		FULL NAME
VOI		VOITTO
		SEE ALSO: VIC2*
		REFERENCES: 16 729 730 791 1107
VOL8	*	VOLBAR
		REFERENCES: 51 581 798 799
VOL		VOLDAGSEN
		REFERENCES: 178 235 254 255 256 290 306 334 593 663 686 846 1082
VOL1		VOLDAGSEN 2417
		REFERENCES: 181 335
VOLB		VOLDAKS
		REFERENCES: 1128
VOL4		VOLL
		REFERENCES: 908 933
VOL2	*	VOLLA
		SYNONYMS: BRE7(1150)
		REFERENCES: 44 45 47 123 154 170 185 186 190 191 195 223 228 244 331 335 361 363 370 405 576 603 737 777 795 804 809 831 845 846 882 1023 1026 1081 1082 1089 1105 1150 1160
VOL3	*	VOLLKORN
		SYNONYMS: KNE2(686)
		REFERENCES: 43 45 53 453 663 687 1082 1135 1152
VOLA		VOLLKORN PROBSZDORFER
		REFERENCES: 686
VOL5		VOLLKORN(XR)
		REFERENCES: 45 361 1082
VOL9		VOLOGDA
		REFERENCES: 998
VOL6		VOLVUN
		REFERENCES: 30
VOL7		VOLWYN
		REFERENCES: 882
VOR		VORONEZH
		REFERENCES: 469 1015
VRO		VROEG GARS
		SEE ALSO: CAP1
		REFERENCES: 996
VUL	*	VULCAN
		SYNONYMS: ECK (334)
		REFERENCES: 190 334 454 560 574 972
VUN	*	VUNI
		REFERENCES: 603 663 801 1176
VYA	*	VYATSKII
		REFERENCES: 298 645 979
VYA1	*	VYATSKII 1009
		REFERENCES: 275 1189
VYN	*	VYNOSNY
		REFERENCES: 320 686 687 836 943 1082
WWB		W W BALTAZAR
		REFERENCES: 686
WWG		W W GASELL
		REFERENCES: 686
WWR		W W ROLAND
		REFERENCES: 686
W146		W 1468
		REFERENCES: 1175
W632	*	W 6329
		REFERENCES: 1175
W71		W 71-56
		REFERENCES: 28
WAD	*	WADE
		REFERENCES: 143 422 796 797
WAG		WAGONVILLE
		REFERENCES: 252 358 360
WAI1		WAINE
		REFERENCES: 576
WAI		WAITZENER
		REFERENCES: 654
WAK		WAKAMATSU
		REFERENCES: 252 469
WAL1		WALKIE
		REFERENCES: 608

CODE		FULL NAME
WAL		WALPERS
		REFERENCES: 656
WAN1		WANDA
		REFERENCES: 686 836 947
WAN		WANJUBOMSSALBORI
		REFERENCES: 653
WAN2		WANSE
		REFERENCES: 433
WAN3		WANSNIPE
		REFERENCES: 783
WAR5		WARBOYS
		REFERENCES: 191 405 846
WAR		WARD
		SYNONYMS: WOO (1170)
		REFERENCES: 579 580 585 702 748 866 1038 1109 1154 1170
WAR4		WARE
		REFERENCES: 51
WAR3	*	WARREN
		REFERENCES: 469
WAR1	*	WARRIOR
		REFERENCES: 33 199 252 461 464 479 584 704 839 846 864 1057 1059 1082 1163 1170
WAR2		WARTEBRUCH
		REFERENCES: 895 906
WASB	*	WASE CHINKO
		REFERENCES: 1049
WAS1		WASE GOLDEN MELON
		REFERENCES: 690 833 1096
WAS9		WASE HACHIKOKU 1
		REFERENCES: 1049
WAS2		WASE HADAKA
		REFERENCES: 252 635 636 690 1049
WAS6		WASE OMUGI
		REFERENCES: 614 1049
WAS8		WASE ROKKAKU
		SEE ALSO: TAM2
		REFERENCES: 1049
WASC		WASE SHIKAKU
		SEE ALSO: OLL
		REFERENCES: 1049
WAS5		WASEHADAKA 80
		REFERENCES: 614
WAS4		WASEHOSOGARA
		REFERENCES: 483
WASA		WASEJIRO
		REFERENCES: 1049
WAS7		WASEMARUMI
		REFERENCES: 617
WAS3		WASETENKANGAL
		REFERENCES: 252 1035
WAS		WASHINGTON SELECTION 3564
		REFERENCES: 788
WAT	*	WATAUGA
		REFERENCES: 252 466 1004 1005 1170
WAT1		WATTS
		REFERENCES: 308 846
WAX	*	WAXY COMPANA
		REFERENCES: 407
WEA	*	WEAL
		REFERENCES: 49 663 1057 1059
WEB		WEBB'S SUNRISE
		REFERENCES: 111 531
WEB3		WEBBS
		REFERENCES: 102
WEB5		WEBBS AWNLESS
		REFERENCES: 895
WEB4		WEBBS NEW CROSS
		REFERENCES: 102
WEB6		WEBBS NEW UNIVERSAL
		SEE ALSO: NEWC
		REFERENCES: 895
WEB2		WEBS
		REFERENCES: 469

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CODE          FULL NAME

WEB1      WEBSKY
            REFERENCES:    906
WED       WEDLIM
            REFERENCES:    783
WEE    *  WEEAH
            REFERENCES:     79   140   302   364   405   534   608   663
WEIT      WEIBULLS CLARA
            REFERENCES:    686
WEIG      WEIBULLS HERTA
            SEE ALSO:  HER1
            REFERENCES:     54   273  1008  1009  1132  1133  1135  1152
WEI3      WEIBULLS INGRID
            SEE ALSO:  ING
            REFERENCES:    247   575   686   687  1009  1135  1152
WEIU      WEIBULLS PUKE
            REFERENCES:    686   705
WEIA      WEIBULLS RIKA
            SEE ALSO:  RIK
            REFERENCES:    273   274  1027  1133  1134
WEI2      WEIBULLS 1001
            REFERENCES:    189   190   405   559
WEIZ      WEIBULLS 1515-64
            REFERENCES:    193
WEIP      WEIBULLS 4744
            REFERENCES:    807
WEIV      WEIBULLS 5741
            REFERENCES:    686
WEIN      WEIBULLS 6043
            REFERENCES:     75
WEI9      WEIDER
            REFERENCES:    145   686   783   875   937   939
WEI4      WEIHENSTEPHAN
            SYNONYMS:  WEI1( 559)
            REFERENCES:     23    42   100   177   221   524   559   574   687   809   836
                           846   998  1011  1088  1133
WEIE      WEIHENSTEPHAN A
            REFERENCES:    906
WEIF      WEIHENSTEPHAN C
            REFERENCES:    906
WEI    *  WEIHENSTEPHAN MILDEW RESISTANT
            SYNONYMS:  WEI8( 608)
            TRANSLATIONS:  WEIC(GER)
            REFERENCES:     97   110   171   320   453   554   574   609   687   695   747
                           808   876   968   998  1082  1133  1170
WEI7      WEIHENSTEPHAN MILDEW RESISTANT 2
            SYNONYMS:  WEI8( 663)
            REFERENCES:     94    97   183   320   453   663   687   695   836   846   943
                           961   969  1077  1082  1173
WEI1      WEIHENSTEPHAN STAMM
            SEE ALSO:  WEI4
            REFERENCES:    334   559
WEIR      WEIHENSTEPHAN 125
            REFERENCES:    609
WEI5      WEIHENSTEPHAN 2
            REFERENCES:    123   170   175   252   361   405   771  1132  1133
WEIO      WEIHENSTEPHAN 37/136
            REFERENCES:    145   306   593   608
WEIX      WEIHENSTEPHAN 409
            REFERENCES:    405
WEIQ      WEIHENSTEPHAN 41/145
            REFERENCES:    306   608
WEJ2      WEIHENSTEPHAN 664
            REFERENCES:   1178
WEJ       WEIHENSTEPHANER E 11
            REFERENCES:    663
WEII      WEIHENSTEPHANER G 112
            REFERENCES:   1082
WEIC      WEIHENSTEPHANER MEHLTAURESISTENTE
            SEE ALSO:  WEI *
            REFERENCES:    686   968  1014  1082
WEI8   *  WEIHENSTEPHANER MEHLTAURESISTENTE CP
            SEE ALSO:  WEI    WEI7
            REFERENCES:     43    75   100   145   362   695   771   777   782   945   952
                           1012
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CODE		FULL NAME
WEJ1		WEIHENSTEPHANER N G 4
		REFERENCES: 1128
WEIJ		WEIHENSTEPHANER ST 409/250
		REFERENCES: 1082
WEIK		WEIHENSTEPHANER ST 906
		REFERENCES: 1082
WEIM		WEIHENSTEPHANER 16
		REFERENCES: 777 1082
WEIH		WEIHENSTEPHANER 190/1330 FR
		REFERENCES: 1082
WEI6		WEIHENSTEPHANER 259
		REFERENCES: 42 109 181 335 337 576 777
WEIL		WEIHENSTEPHANER 323/255
		REFERENCES: 75 361 576 777 1082
WEID		WEIHNENSTEPHAN CP 127422
		REFERENCES: 306 403 593 608 968 1014
WEIW		WEIN
		REFERENCES: 1072
WEIS		WEISSENBURGER
		REFERENCES: 654
WEIB		WEISSENHAUS 1467
		REFERENCES: 252
WEIY		WEISTEPHAN 1947
		REFERENCES: 405
WEL	*	WELAM
		REFERENCES: 54 190 236 311 364 424 663 757 809 1077 1175 1178
WEL1		WELCH
		REFERENCES: 76
WEL3		WELSH EARLY
		REFERENCES: 89
WES3	*	WESSERHEM
		REFERENCES: 846
WES		WEST CHINA
		REFERENCES: 21 1172
WES1	*	WESTBAR
		REFERENCES: 271
WES2		WESTFALEN
		REFERENCES: 654
WG5		WG 545
		REFERENCES: 578
WHI8		WHITE ANOIDIUM
		REFERENCES: 527
WHI7		WHITE CLUB
		REFERENCES: 76 827
WHI4		WHITE DEFICIENS
		REFERENCES: 252
WHI3		WHITE GATAMI
		REFERENCES: 252 469 1074
WHI1		WHITE HULL-LESS
		SEE ALSO: NEP
		REFERENCES: 113 479 1170
WHI6		WHITE MORAVIAN
		REFERENCES: 469
WHI5		WHITE RUSSIAN
		REFERENCES: 252
WHI2		WHITE SMYRNA
		SEE ALSO: SOD
		SYNONYMS: OUC (469) SYR (469)
		REFERENCES: 76 252 469 471 473 474 517 1038 1170
WHI		WHITE WINTER
		SEE ALSO: WIN
		REFERENCES: 76 163 469 682 773 789 1074 1170
WI	*	WI 2128
		REFERENCES: 1012
WI2		WI 2197
		REFERENCES: 127
WI1	*	WI 2231
		REFERENCES: 1012
WI3	*	WI 2468
		REFERENCES: 127
WID		WIDER
		REFERENCES: 285

CODE		FULL NAME	
WIE		WIELAND	
		REFERENCES:	252 1082
WIE3		WIEN	
		REFERENCES:	1120
WIE2		WIENER	
		REFERENCES:	461
WIE1	*	WIESELBURGER	
		REFERENCES:	252 743
WIG		WIGO	
		REFERENCES:	87 769 972
WIL	*	WILL	
		REFERENCES:	296 297 340 422 431 502 550 551 552 553 686 851 928 1082
WIL1		WILSENTE	
		REFERENCES:	608
WIM	*	WIMPOLE	
		REFERENCES:	405
WINF		WIND-RESISTANT	
		REFERENCES:	725
WIN5	*	WINDSOR	
		REFERENCES:	225 364 686
WIN8		WINER	
		SEE ALSO:	VIN1
		REFERENCES:	1091
WIN3	*	WING	
		REFERENCES:	120 145 182 187 190 311 317 318 319 337 363 364 487 593 608 686 696 735 809 846 871 928 1077 1129 1143 1173 1174
WINB		WING BEARDLESS	
		REFERENCES:	469
WINA		WINGS ORDINARY	
		REFERENCES:	469
WIN7		WINGS PEDIGREE	
		REFERENCES:	252 469
WIN6		WINNIPEG NO 2	
		REFERENCES:	616
WINH	*	WINSTON	
		REFERENCES:	405 846
WIND		WINTER	
		REFERENCES:	469
WINC		WINTER BARLEY	
		SYNONYMS:	BEAE(772) BIG2(772) SQU1(772)
		REFERENCES:	663 772 872
WINE		WINTER BEARDLESS	
		REFERENCES:	469
WIN		WINTER CLUB	
		SYNONYMS:	TAP (469) UTA (1170) WHI (1170)
		REFERENCES:	166 252 347 468 469 494 498 585 618 644 668 670 755 866 892 1170 1185 1186
WIN9		WINTER SIX ROWED	
		REFERENCES:	469
WIN2		WINTER TENNESSEE	
		SYNONYMS:	COA (1170) TEN1(1170)
		REFERENCES:	682 955 1032 1170
WIN1		WINTER 4353	
		REFERENCES:	395
WIN4		WINTERGERSTE 4R	
		SEE ALSO:	HOR
		REFERENCES:	43 559 574
WING	*	WINTERMALT	
		REFERENCES:	573
WIN1	*	WINTEX	
		REFERENCES:	40 41 252 461 492 493 580 866 1109 1170
WIS8		WISA	
		SYNONYMS:	BRE2(663)
		REFERENCES:	23 43 44 45 47 75 123 168 170 175 178 210 228 254 255 288 334 335 361 362 460 524 609 663 695 697 737 771 777 831 836 846 1014 1034 1036 1077 1082 1089 1105 1150 1173 1178
WISA		WISC. X691	
		REFERENCES:	252 901 903

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CODE          FULL NAME

WIS    *  WISCONSIN BARBLESS
            SYNONYMS:   38 (1170) BAR1(1170) NUM (1170) PED1(1170) WIS5(1170)
                      WIS6(1170) WIS9( 282)
            REFERENCES:   159  161  252  433  468  479  518  581  668  679  816
                          852  981 1015 1154 1170
WIS9        WISCONSIN BARBLESS PEDIGREE 38
            SEE ALSO:  WIS
            REFERENCES:     1  242  282
WISB   *  WISCONSIN PEDIGREE
            REFERENCES:    76  252  469 1082
WISE        WISCONSIN PEDIGREE 17
            REFERENCES:   469
WISF        WISCONSIN PEDIGREE 18
            REFERENCES:   469
WISG        WISCONSIN PEDIGREE 20
            REFERENCES:   469
WISH        WISCONSIN PEDIGREE 35
            REFERENCES:   469
WIS3   *  WISCONSIN PEDIGREE 37
            REFERENCES:    76  479  668 1170
WIS5        WISCONSIN PEDIGREE 38
            SEE ALSO:  WIS
            SYNONYMS:  PED1( 682)
            REFERENCES:     2  682  981 1015 1170
WIS1        WISCONSIN PEDIGREE 5
            SEE ALSO:  ODE1
            REFERENCES:   680 1170
WIS4   *  WISCONSIN PEDIGREE 6
            SEE ALSO:  ODE1
            REFERENCES:   680 1170
WISJ        WISCONSIN PEDIGREE 9
            REFERENCES:   489
WIS7        WISCONSIN WINTER
            SYNONYMS:  BUL2( 469) CHED( 469)
            REFERENCES:    41   76  113  252  469  471  473  503  585  783  866
                         1075 1153 1172
WIS6        WISCONSIN 38
            SEE ALSO:  WIS
            REFERENCES:    27   76  199  324  407  479  491  538  572  575  584
                         681  683  759  775  850 1062 1170
WIS2        WISCONSIN 5
            SEE ALSO:  ODE1
            REFERENCES:  1170
WISI        WISSA REMIS
            REFERENCES:   686
WISC        WISSINGER B
            REFERENCES:   906
WISD        WISSINGER D
            REFERENCES:   906
WIT2        WITCHES BROOM
            REFERENCES:   608
WIT         WITHYCOMBE
            SYNONYMS:  WIT1( 469)
            REFERENCES:   469
WIT1        WITHYCOMBE HULL-LESS
            SEE ALSO:  WIT
            REFERENCES:   469
WOA         WOAIDONG
            REFERENCES:   628
WOC    *  WOCUS
            REFERENCES:    50   51   61  108  193  347  433  578  682  892 1090
                        1170
WOC1   *  WOCUS 71
            REFERENCES:   892
WOF         WOFUT
            REFERENCES:   783
WOL    *  WOLFE
            REFERENCES:   195  202  203  211  239  686  704  882 1074 1170
WON3        WONDER
            REFERENCES:   654
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CODE		FULL NAME
WON	*	WONG
		REFERENCES: 98 104 143 159 160 179 190 191 200 201 206 215 316 334 335 342 361 363 368 370 393 417 431 461 464 466 501 527 559 561 562 565 566 568 569 574 581 628 700 703 711 725 764 766 783 849 861 866 921 926 1004 1005 1016 1017 1018 1019 1020 1021 1022 1096 1153 1161 1170
WON1		WONG-JET
		REFERENCES: 142 567
WON2		WONJU
		REFERENCES: 653
WOO3		WOOD'S HOODED
		REFERENCES: 252 628
WOO2		WOODROW
		REFERENCES: 252 469 1015
WOO5		WOODSIDE
		REFERENCES: 433
WOO1	*	WOODVALE
		REFERENCES: 18 50 108 252 279 281 663 686 728 1168
WOO		WOODWARD
		SEE ALSO: WAR
		REFERENCES: 1170
WOO4		WOODWIN
		REFERENCES: 252 866
WOT	*	WOTAN
		SYNONYMS: GRU2(9999)
		REFERENCES: 110 663 1082
WPG		WPG62-528
		REFERENCES: 994
WRI		WRINCH
		REFERENCES: 82
WRI1		WRINCH PROLIFIC
		SEE ALSO: PROC
		REFERENCES: 469
WSS		WSSH. 382/49
		REFERENCES: 188 190 191 574
WUR		WURLA
		REFERENCES: 275
WUS		WUSEIN
		REFERENCES: 628
WUS1		WUSTERMARSH'
		REFERENCES: 663
WYO		WYOMING HULL-LESS
		REFERENCES: 469
XEN		XENIA
		REFERENCES: 103 887 1010 1082
XIN		XINLONG NAKED BARLEY
		REFERENCES: 526
XOP		XOPPAX 61/6
		REFERENCES: 1014
YAH		YAHAZU
		REFERENCES: 690
YAL		YALE
		REFERENCES: 469
YAM1	*	YAMATE HADAKA
		REFERENCES: 677 1049
YAM2	*	YAMATO HADAKA
		REFERENCES: 1049
YAM	*	YAMINA
		REFERENCES: 187 405 424 427
YAN		YANE HADAKA
		REFERENCES: 363 690 1049
YAN1		YANE HADAKA HEN
		REFERENCES: 252
YAN2		YANE HADAKA 6
		REFERENCES: 653
YAN3		YANE 11
		REFERENCES: 1049
YAR	*	YARNA
		REFERENCES: 1112
YAT		YATTE SEXRADIGT
		REFERENCES: 469
YEN		YENIDJE
		REFERENCES: 469

CODE		FULL NAME	
YEO1	*	YEOGI	
		REFERENCES:	653
YEO	*	YEONGWEOLYUGGAG	
		REFERENCES:	653
YER		YERLI	
		SYNONYMS:	SMY (81)
		REFERENCES:	81 469
YES1		YESILKOY	
		REFERENCES:	534
YES		YESILKOY 387	
		REFERENCES:	455
YEU		YEUGI	
		REFERENCES:	463
YME	*	YMER	
		REFERENCES:	4 43 45 47 63 92 170 178 232 241 253
			254 256 356 357 358 378 379 412 447 461 515
			516 521 531 546 608 618 686 715 750 753 760
			771 782 790 846 878 879 916 976 977 1012 1048
			1064 1079 1082 1114 1146
YME1		YMER 2	
		REFERENCES:	275 686
YOK2		YOKOSHIRO SEMIMUGI	
		REFERENCES:	617
YOK	*	YOKOZUNA	
		REFERENCES:	252 540 541 633 637 690 739 740 832 1049
YOK1		YOKWAN 24	
		REFERENCES:	628
YOR1		YORK	
		REFERENCES:	27 153 197 210 211 222 224 225 239 399 464
			481 575 578 686 704 759 840 922 924 925 927
			983 1082 1084 1170
YOR		YORK HOODED	
		REFERENCES:	252 608 866 1170
YOR2		YORKSHIRE	
		REFERENCES:	686
YOU		YOUNGWOLYUKKAK	
		REFERENCES:	463 628
YRI	*	YRIBA	
		REFERENCES:	236 576
YRJ	*	YRJAR	
		REFERENCES:	364 443 686
YSA		YSABEL	
		REFERENCES:	360
YU		YU	
		REFERENCES:	1194
YU1		YU 1	
		REFERENCES:	67 699
YU5		YU 5	
		REFERENCES:	67
YUB		YUBILEINYI	
		REFERENCES:	390 704 732 874
YUD		YUDINSKII	
		REFERENCES:	699
YUG		YUGGAGDONGMAEG	
		REFERENCES:	653
YUG1		YUGI	
		REFERENCES:	628
YUK2		YUKAKMACK	
		REFERENCES:	628
YUK4	*	YUKIWARIMUGI	
		REFERENCES:	482 483 602 1049
YUK		YUKKAK 7	
		REFERENCES:	628
YUK3		YUKKAKDONGMACK	
		REFERENCES:	628
YUK1		YUKYONMACK	
		REFERENCES:	628
YUN1	*	YUNAGI HADAKA	
		REFERENCES:	612 613 614 665 1049
YUN		YUNGWOLYUKAK	
		REFERENCES:	252
YUT1		YUTAKA	
		REFERENCES:	738 832

CODE		FULL NAME	
YUT		YUTTA	
		REFERENCES:	1082
YUY		YUYNYJ	
		REFERENCES:	877
YUZ	*	YUZHNYI	
		REFERENCES:	9 30 389 390 393 394 400 435 535 685 704 706 707 710 731 732 736 787 818 834 842 874 882 914 979 988 1036 1082 1085 1086 1088 1090 1119
ZAF		ZAFER ARPASE 160	
		REFERENCES:	252
ZAF1		ZAFIR ARPOSE	
		REFERENCES:	303
ZAI1		ZAIRAI-AO	
		REFERENCES:	617
ZAI		ZAIRAISHIRO	
		REFERENCES:	617 774 866
ZAJ		ZAJA	
		REFERENCES:	686 705
ZAL		ZALARINETS	
		REFERENCES:	33 83 276 645 704 997 1034 1037 1082 1084 1137
ZAL1		ZALATINEC	
		REFERENCES:	686
ZAL2		ZALKA	
		REFERENCES:	805
ZAM		ZAMIMACK	
		REFERENCES:	628
ZAM1		ZAMUGI	
		REFERENCES:	866
ZAN		ZANDER	
		REFERENCES:	686
ZAR	*	ZARINA	
		REFERENCES:	405
ZAV	*	ZAVET	
		REFERENCES:	392 890 987 989
ZBO		ZBOROVICKY KARGYN	
		REFERENCES:	686
ZE		ZE	
		REFERENCES:	809
ZEB		ZEBAC	
		REFERENCES:	275
ZEF	*	ZEFIR	
		REFERENCES:	1128
ZEH		ZEHRA	
		REFERENCES:	534 866
ZEI2	*	ZEINERS FRANKENPERLE	
		REFERENCES:	275 410 663 686 1092
ZEI3		ZEINERS HOHENLOHER	
		SYNONYMS:	HOH4(1092)
		REFERENCES:	275 1092
ZEI		ZEINERS IMMUNE	
		REFERENCES:	83 252 275 686
ZEI4		ZEINERS IMPROVED FRANKEN	
		REFERENCES:	895
ZEI6		ZEINERS UNIVERSAL	
		REFERENCES:	275
ZEI1		ZEISIG	
		REFERENCES:	809 1175
ZEI5		ZEISING	
		REFERENCES:	686
ZEM	*	ZEMYR	
		REFERENCES:	145 363 364 392 608 663 686 737 809 1086
ZEN1	*	ZENIT	
		REFERENCES:	298
ZEN	*	ZENITH	
		REFERENCES:	102 252 355 371 576 663
ZEN2		ZENRA	
		REFERENCES:	866
ZEP		ZEPHYR	
		REFERENCES:	23 39 47 150 176 184 186 187 190 191 228 230 252 263 284 288 311 332 333 334 335 336 363 364 370 405 434 453 462 486 487 515 516 524 525 535 536 560 593 608 693 695 696 715 735 804 809 928 931 945 946 1012 1082 1090 1143 1148 1158 1164 1173 1174 1175 1176 1178

CODE		FULL NAME
ZER		ZERNOGRADSKII 20
		REFERENCES: 51 842 979
ZER1		ZERNOGRADSKII 33
		REFERENCES: 842
ZER2		ZERNOGRADSKII 73
		REFERENCES: 842
ZEU		ZEURGA
		REFERENCES: 866
ZHA		ZHARKYN
		REFERENCES: 1101
ZID		ZIDLOCKOVICKY
		REFERENCES: 102
ZID1		ZIDLOCKOVICKY GLORIA
		REFERENCES: 686
ZIG		ZIG ZAG
		REFERENCES: 608
ZIM1		ZIMRAN
		REFERENCES: 1103
ZIM		ZIMUYUSHII MOSKOVSKII
		REFERENCES: 830
ZIS		ZIST
		REFERENCES: 405
ZIT	*	ZITA
		REFERENCES: 317 364 663 757 805 935 1077
ZOA		ZOAPILA
		REFERENCES: 608 877 934
ZOC		ZOCO DE YEBEL-HEBIL 1
		REFERENCES: 1138
ZOC1		ZOCO DE YEBEL-HEBIL 2
		REFERENCES: 1138
ZOE	*	ZOE
		REFERENCES: 186 187 311 608
ZOL		ZOLOTOI
		SEE ALSO: GUL *
		REFERENCES: 818 1082 1189
ZON		ZONA DE REINOSA
		REFERENCES: 1138
ZON2		ZOND
		REFERENCES: 474
ZOR	*	ZORA
		REFERENCES: 51 121 122 388 1003 1069 1070
ZUC		ZUCHTSTAMM 253
		REFERENCES: 1082
ZUE	*	ZUERA 1
		REFERENCES: 1138
ZUE1	*	ZUERA 2
		REFERENCES: 1138
ZUE2	*	ZUERA 3
		REFERENCES: 1138
ZUE3	*	ZUERA 4
		REFERENCES: 1138
ZUE4	*	ZUERA 5
		REFERENCES: 1138
ZUN		ZUN POHN MUGI
		REFERENCES: 285
ZUR		ZURA
		REFERENCES: 866
ZYO		ZYOSHU-SHIROHADAKA
		SEE ALSO: SHIM
		REFERENCES: 690

CODE	CULTIVAR NAME
110	1105/1
13N	13 NOVI SAD
14	14 DE GEMBLOUX
16W	16WV
185	185 DE GEMBLOUX
191	191
250	250
38	'38'
400	400
401	401
41	41/145
436	4363-32
456	456
472	472
477	477
499	499
AAL	AALA YARGI
AAP	AAPO
AAS	AAS
ABA	ABATE
ABA1	ABACUS
ABA3	ABAVA
ABE	ABED 978
ABEA	ABED
ABEB	ABED OPAL
ABEC	ABED 983
ABED	ABED ARCHER
ABEE	ABED DEBA
ABEF	ABED BOMI
ABEG	ABED LOFA
ABEH	ABED MALA
ABEI	ABED 1119
ABEJ	ABED 3324
ABEK	ABED REX
ABEL	ABED 738
ABEM	ABELIA
ABEN	ABED BINDER 12
ABEO	ABED 894
ABEP	ABED 625
ABEQ	ABEE
ABER	ABED DANA
ABES	ABED 3263
ABET	ABED 43
ABEU	ABED 179
ABEV	ABED GULA
ABE1	ABED 3371
ABE2	ABED MAJA
ABE3	ABED DENSO
ABE4	ABED BINDER
ABE5	ABED KENIA
ABE6	ABED 3407
ABE7	ABED 3173
ABE8	ABED JULY
ABE9	ABED RIGEL
ABI	ABINA
ABL	ABLYN
ABR	ABRA PAMPA
ABU	ABUSIR
ABU1	ABUNDANCIA
ABU2	ABUNDIA
ABY	ABYSSINIA
ABYA	ABYSSINIAN 41
ABYB	ABYSSINIAN 43
ABYC	ABYSSINIAN 49
ABYD	ABYSSINIAN 54
ABYE	ABYSSINIAN 26
ABYF	ABYSSINER
ABYG	ABYSSINIAN 668
ABYH	ABYSSINIAN 20
ABY1	ABYSSINIAN
ABY2	ABYSSINIAN 3
ABY3	ABYSSINIAN 8
ABY4	ABYSSINIAN 14
ABY5	ABYSSINIAN 19
ABY6	ABYSSINIAN 24
ABY7	ABYSSINIAN 32
ABY8	ABYSSINIAN 33
ABY9	ABYSSINIAN 36
AB1	AB 1259
ACA	ACANTHUS
ACC	ACCLAIM
ACE	ACE
ACH	ACHINSKII
ACH1	ACHER
ACH2	ACHENTALER
ACK	ACKERMANNS ISARIA
ACKA	ACKERMANNS NIEDERBAYRISCHE
ACKB	ACKERMANNS DANUBIA
ACKC	ACKERMANNS TSCHERMACKS
ACKD	ACKERMANNS INIS
ACKE	ACKERMANNS NOVA
ACKF	ACKERMANNS 316
ACKG	ACKERMANNS 1427
ACKH	ACKERMANN 5
ACKI	ACKERMANNS 913
ACKJ	ACKERMANNS 1455
ACKK	ACKERMANNS IRMA
ACKL	ACKERMANNS VIKTORIA
ACKM	ACKERMANNS TWO-ROWED PRIMA
ACK1	ACKERMANNS 1223
ACK2	ACKERMANNS DONARIA
ACK3	ACKERMANNS MGZ
ACK4	ACKERMANNS BAVARIA
ACK5	ACKERMANN 4375
ACK6	ACKERMANN 1923/18
ACK7	ACKERMANN DONARIA 2
ACK8	ACKERMANN ISARIA 2
ACK9	ACKERMANN CERESIA
ACL	ACLIMATADA RIVERA
ACR	ACRE EARLIEST
ADA	ADAHUESCA 1
ADA1	ADAHUESCA 2
ADA2	ADABA
ADA3	ADAIR
ADA4	ADAMITULLO
ADD	ADDIS ABEDA
ADE	ADELE
ADI	ADIGRAT
ADL	ADLIKER
ADM	ADMIRE
ADM1	ADMONTER
ADM2	ADMIRAL BEATTY
ADO	ADONIA
ADO1	ADORRA
ADO2	ADOLPHE BUNGENER
ADU	ADUWA
ADV	ADVANCE PEDIGREE
ADZ	ADZHIBA
AD1	AD 1
AD10	AD 10
AD11	AD 11
AD12	AD 12
AD13	AD 13
AD14	AD 14
AD15	AD 15
AD16	AD 16
AD17	AD 17
AD18	AD 18
AD2	AD 2
AD3	AD 3
AD4	AD 4
AD5	AD 5
AD6	AD 6
AD7	AD 7
AD8	AD 8
AD9	AD 9
AEJ	AEJIJOSAENG
AFG	AFGHAN 1
AFG1	AFGHAN 2
AFR	AFRICAINE
AGA	AG-ARPA
AGA1	AGAIS

CODE	CULTIVAR NAME
AGA2	AGARO
AGA3	AGA
AGE	AGER
AGI	AGIO
AGN	AGNETA
AGO	AGO
AGR	AGRAMUNT 1
AGR1	AGRAMUNT 2
AGU	AGUL
AHA	AHA-RAE-BAC
AIC	AICHI WASE
AIC1	AICHI WASE 13
AIC2	AICHI WASE 5
AIC3	AICHI WASE 113
AIC4	AICHI KOBINKATAGI
AIC5	AICHI SAKIGAKE
AIC6	AICHI SHIRAUME
AIC7	AICHI WASE GOLDEN
AIG	AIGO
AIK	AIKEI 84
AIK1	AIKHAL
AIM	AIM
AIZ	AIZU 7
AIZA	AIZU HADAKA 5
AIZB	AIZU 5
AIZC	AIZU 1
AIZ1	AIZU
AIZ2	AIZU HADAKA
AIZ3	AIZU 4
AIZ4	AIZU 6
AIZ5	AIZU 2
AIZ6	AIZU 22
AIZ7	AIZU 155
AIZ8	AIZU 16
AIZ9	AIZU HADAKA 3
AJH	AJHAL
AKA	AKA SHINRIKI
AKA1	AKAGI NIJO
AKA2	AKANMUGI
AKA3	AKANE HADAKA 3
AKD	AKDA
AKE	AKER
AKI	AKIMUGI
AKI1	AKIMAKI HOKUSEI
AKK	AKKA
AKM	AKME FUTTER
AKM1	AKME
AKS	AKSANIYA
AKT	AKTASCHA
ALA	ALAGON
ALAA	ALADIN
ALA1	ALASKA
ALA2	ALASKA EXPRESS
ALA3	ALAVA 1
ALA4	ALAVA 2
ALA5	ALAVA 3
ALA6	ALABEI
ALA7	ALASHINRIKI
ALA8	ALARA
ALA9	ALASJMOEN
ALB	ALBERT
ALBA	ALBACETE 10
ALBB	ALBACETE 11
ALBC	ALBACETE 1
ALBD	ALBACETE 2
ALBE	ALBACETE 3
ALBF	ALBACETE 4
ALBG	ALBACETE 5
ALBH	ALBACETE 6
ALBI	ALBAY 1
ALBJ	ALBAY 2
ALBK	ALBAY 3
ALBL	ALBAY 4
ALBM	ALBAY 5
ALBN	ALBION
ALBO	ALBA STRAMPELI

CODE	CULTIVAR NAME
ALBQ	ALBERTA 311
ALBR	ALBIAS
ALBS	ALBORI
ALB1	ALBERTA 8
ALB2	ALBERT BUSSER
ALB3	ALBERTA BLACK
ALB4	ALBACETE
ALB5	ALBA DE CAMPO 1
ALB6	ALBA DE CAMPO 2
ALB7	ALBACETE 7
ALB8	ALBACETE 8
ALB9	ALBACETE 9
ALC	ALCARAZ 1
ALC1	ALCARAZ 2
ALC2	ALCARAZ 3
ALC3	ALCAUCHEL
ALE	ALEMAYA BLACK
ALF	ALFA
ALF1	ALFOR
ALF2	ALF
ALF3	ALFOLD
ALG	ALGERIAN
ALG1	ALGERIE 48
ALG2	ALGERIA
ALG3	ALGERISCHE
ALG4	ALGIERS
ALG5	ALGERIAN HALLE
ALK	ALKAR
ALL	ALLASCH
ALL1	ALLOUETTE
ALL2	ALLEGRO
ALL3	ALLI
ALM	ALMENAR
ALMA	ALMUNIA 5
ALMB	ALMUNIA 6
ALMC	ALMUNIA 7
ALMD	ALMORA 222
ALME	ALMEI
ALMF	ALMOND
ALMG	ALMERFELDER
ALMH	ALMURADIEL
ALMI	ALMAZ
ALM1	ALMA
ALM2	ALMACELLAS 1
ALM3	ALMACELLAS 2
ALM4	ALMUDEVAR 1
ALM5	ALMUDEVAR 2
ALM6	ALMUNIA 1
ALM7	ALMUNIA 2
ALM8	ALMUNIA 3
ALM9	ALMUNIA 4
ALO	ALOUETTE
ALO1	ALOBRA 1
ALO2	ALOBRA 2
ALP	ALPINE
ALP1	ALPHA (NORTH AMERICA PRE 1921)
ALP2	ALPHA (FRANCE 1972)
ALP3	ALPINE(CM)
ALS	ALSA
ALS1	ALSACE
ALS2	ALSASSION
ALT	ALTAI
ALT1	ALTERNA
ALT2	ALTAMURA
ALT3	ALT
ALT4	ALTYN-DAN
ALV	ALVA
ALV1	ALVO
ALV2	ALVARO ABREU
AMA	AMARILLO
AMA1	AMAGI NIJO 1
AMA2	AMAGI NIJO NO 3
AMA3	AMAGI NIJO
AMB	AMBRE (FRANCE)
AMB1	AMBIO
AMB2	AMBRE (INDIA)

CODE	CULTIVAR NAME
AMB3	AMBO
AMC	AMCAR
AME	AMETYST
AME1	AMERICANI 13
AMI	AMITERNO
AMK	AMKAR
AMM	AMMER
AMR	AMRIGSCHWANDER 2-ROWED BLACK FOREST
AMR1	AMRIGSCHWANDER
AMS	AMSEL
AMU	AMURSKII MESTNYJ
AMU1	AMUSQUILLO
AMY	AMY
ANA	ANABEE
ANA1	ANATOLSKI JABLE
ANA2	ANATOLIAN
ANA3	ANATOLIAN BLACK
ANC	ANCA
ANC1	ANCHOR
ANC2	ANCASTILLO
AND	ANDORRA
AND1	ANDIE
ANE	ANEUTO 1
ANE1	ANEUTO 2
ANE2	ANEUTO 3
ANG	ANGERNER 3-5
ANG1	ANGERNER 2-2
ANG2	ANGERNER 1-5
ANG3	ANGERNER 2-6
ANG4	ANGERNER 2-8
ANG5	ANGANDA
ANG6	ANGELA
ANG7	ANGORA
ANG8	ANGUILENSE
ANI	ANITA
ANI1	ANIRAC
ANK	ANKARA
ANK1	ANKARA TOKAK
ANL	ANLA
ANN	ANNAT
ANN1	ANNA
ANN2	ANNA ABED
ANO	ANOIDIUM
ANS	ANSGAR
ANS1	ANSON
ANS2	ANSKA
ANT	ANTALEK
ANT1	ANTARES
ANT2	ANTA
ANT3	ANTAREO
ANT4	ANTONINSKI
AOH	AOHADAKA
AOK	AOKAWAMUGI
AOM	AOMUGI
APA	APATITY 4
APA1	APAM
APA2	APACHE
APE	APEX
API	APIZACO
APR	APRO
APS	APSHON
APS1	APSHERON
AQU	AQUILA
ARA	ARABIAN
ARA1	ARABISCHE
ARA2	ARAMIR
ARA3	ARABIAN BLUE
ARA4	ARA
ARA5	ARABEL
ARA6	ARARAT
ARA7	ARABI
ARA8	ARAMIS
ARB	ARBI
ARC	ARCHER
ARC1	ARCHER-GOLDTHORPE
ARC2	ARCHER CHEVALIER
ARC3	ARCH-PLUME
ARC4	ARCHANGEL
ARC5	ARCOS DE JALON
ARD	ARDENNE
ARE	AREQUIPA
ARE1	ARES
ARE2	ARES 87
ARE3	AREAL
ARG	ARGENTINE SPECIAL
ARG1	ARGYLE
ARG2	ARGENTINE
ARG3	ARGOVIA M
ARG4	ARGUS
ARG5	ARGANDA
ARG6	ARGUEDAS
ARI	ARIZA 1
ARIA	ARIZONA
ARIB	ARIMONT
ARIC	ARIOLA
ARID	ARIG 8
ARI1	ARIVAT
ARI2	ARIMAR
ARI3	ARIVAT IMPROVED
ARI4	ARIEL
ARI5	ARIANA
ARI6	ARISTAN
ARI7	ARIZA 2
ARI8	ARIZA 3
ARI9	ARIZA 4
ARK	ARK. 125
ARK1	ARK ROYAL
ARK2	ARKIL
ARL	ARLINGTON AWNLESS
ARL1	ARLA
ARL2	ARLINGTON WINTER
ARL3	ARLINGTON
ARL4	ARLINGTON 110
ARM	ARMELLE
ARM1	ARMA
ARN	ARNT
ARO	AROZO
ARO1	AROC
ARR	ARROW (UD 3101)
ARR1	ARROW (VB 422374/2)
ARR2	ARRA
ART	ARTIC
ART1	ARTHUR 2
ART2	ARTES 1
ART3	ARTES 2
ART4	ARTHRITIS
ARV	ARVU
ARV1	ARVU KENIA
ARV2	ARVO
ARV3	ARVE
ASA	ASA
ASAA	ASAHI 21
ASAB	ASAHI 9
ASA1	ASAHI 5
ASA2	ASAHI 19
ASA3	ASAMUGI
ASA4	ASAMUT
ASA5	ASADABAD
ASA6	ASAHI 1
ASA7	ASAHI 6
ASA8	ASAHI 15
ASA9	ASAHI 16
ASH	ASHDON
ASK	ASKANIA
ASM	ASMAMACK
ASM1	ASMARA
ASP	ASPLUND
ASP1	ASPA
ASP2	ASPANA
ASS	ASSE
AST	ASTRIX
AST1	ASTRID (GFR)

CODE	CULTIVAR NAME
AST2	ASTACUS
AST3	ASTRA
AST4	ASTRID (FRANCE 1962)
AST5	ASTRACHANENSE
ASW	ASWAD
ATE	ATEM
ATH	ATHENE
ATH1	ATHOS
ATH2	ATHENAIS
ATH3	ATHENAIS NEW
ATL	ATLAS (USA)
ATL1	ATLAS 46
ATL2	ATLAS 54
ATL3	ATLAS 57
ATL4	ATLAS 68
ATL5	ATLANTA
ATL6	ATLANTIS
ATL7	ATLAS (GERMANY)
ATL8	ATLAS (CZECHOSLOVAKIA 1976)
ATS	ATSEL
ATT	ATTIKI
AUD	AUDLEY
AUG	AUGUSTA
AUK	AUKSINYAI 2
AUR	AUREA
AUR1	AURORE
AUR2	AURORA
AUR3	AURA
AUR4	AUREUM
AUR5	AURIU
AUS	AUSTRALIAN
AUS1	AUSTRALIAN CHEVALIER
AUS2	AUSTRALIAN EARLY
AUS3	AUSTRALISCHE FRUHE
AUS4	AUSTRIA
AUS5	AUSTRALIAN WHITE
AUS6	AUSTRALIE
AUS7	AUSTRALISCHE
AVA	AVANGUARDIA
AVA1	AVAR 2
AVI	AVILA
AWA	AWAMUGI
AWN	AWNLESS
AXU	AXUM
AYA	AYAME HADAKA
AZA	AZAMAT
AZA1	AZAM 1
AZA2	AZAM 13
AZE	AZEZO
AZH	AZHER
AZI	AZILAL
AZU	AZUMA GOLDEN
AZU1	AZUMA
AZU2	AZURE
A13	A 13
A3	A 3
A4	A 4
A42	A 42
A59	A 59
BAB	BABOLNAI
BAB1	BABAL
BAB2	BABOLNAI 111
BAC	BACHTAL
BAC1	BACHNE 2
BAC2	BACCHUS
BAD	BADESSA
BAD1	BADGER
BAE	BAECHWI
BAE1	BAEGDONG
BAE2	BAEGDONG 38
BAE3	BAENTSCH NAKED
BAE4	BAEKSAKAK
BAH	BAHAR DOR
BAI	BAILEY
BAIA	BAILLARGE 4
BAIB	BAILLARGE 5
BAIC	BAILLARGE 6
BAID	BAILLARGE 7
BAIE	BAITORI 105
BAI1	BAITORI 10
BAI2	BAITORI 11
BAI3	BAILLARGE
BAI4	BAITORI 1
BAI5	BAITORI
BAI6	BAICHAI
BAI7	BAILLARGE 1
BAI8	BAILLARGE 2
BAI9	BAILLARGE 3
BAJ	BAJO ARAGON 1
BAJ1	BAJO ARAGON 2
BAJ2	BAJO ARAGON 3
BAJ3	BAJO ARAGON 4
BAJ4	BAJO ARAGON 5
BAJ5	BAJO ARAGON 6
BAK	BAKU
BAK1	BAKOV 17
BAK2	BAKER
BAK3	BAKSON
BAL	BALDER
BALA	BALAZOTE 6
BALB	BALAZOTE 7
BALC	BALAZOTE 8
BALD	BALAZOTE 9
BALE	BALDELLON 1
BALF	BALMEN
BALG	BALADI 16
BALH	BALTSAR
BALI	BALOUCHISTAN
BALJ	BALADI
BALK	BALDRIC
BALL	BALADI 265
BALM	BALKAN
BALN	BALLIA
BALO	BALA
BAL1	BALDER J
BAL2	BALD BEARDLESS
BAL3	BALD SKINLESS
BAL4	BALDER(XR)
BAL5	BALAZOTE 1
BAL6	BALAZOTE 2
BAL7	BALAZOTE 3
BAL8	BALAZOTE 4
BAL9	BALAZOTE 5
BAM	BAMSE
BAN	BANBA
BANA	BANDO SHU
BANB	BANDAI HADAKA
BANC	BANKUTI KORAI TAVASZI
BAND	BANSEI GOLDEN MELON
BAN1	BANKUTI
BAN2	BANKUTI KORAI
BAN3	BANGJU
BAN4	BANGJUJEONBUG 7
BAN5	BANGJU(XR)
BAN6	BANGSA 6
BAN7	BANKUTI 9
BAN8	BANTENG
BAN9	BANDULLA
BAO	BAO-SHAN-ER-LIN
BAR	BARBOFF
BARA	BARLEY 305
BARB	BARBARY
BARC	BARLUENGA 1
BARD	BARLUENGA 2
BARE	BARLUENGA 3
BARF	BARK
BARG	BARAGAN
BARH	BARBE ROUSSE
BARI	BARBO
BARJ	BARLEY 191
BARK	BARI
BARL	BAROMUGI

CODE	CULTIVAR NAME
BARM	BARGIERS
BARO	BARDEY
BARP	BARKI
BARQ	BARRACHINA
BARR	BAROK
BARS	BARLIS
BAR1	BARBLESS
BAR2	BARTEL
BAR3	BARQUIS
BAR4	BARSOY
BAR5	BARLEY WHEAT
BAR6	BARRETT'S PRYOR
BAR7	BARBARA
BAR8	BARIN
BAR9	BARONNE
BAS	BASHAW
BAS1	BASIL
BAT	BATNA
BAT1	BATTLEDORE
BAT2	BATON
BAV	BAVARIA
BAV1	BAVARIAN
BAX	BAXTER'S SIX-ROW
BAX1	BAXTER
BAY	BAY BREWING
BAY1	BAY
BAY2	BAYARD
BAY3	BAYS 25
BAY4	BAYERN
BAZ	BAZZAX
BEA	BEACON
BEAA	BEARDLESS 3
BEAB	BEARDLESS 20
BEAC	BEAVER DAM 1
BEAD	BEAVER
BEAE	BEAR BARLEY
BEAF	BEATRICE
BEAG	BEAVENS PLUMAGE ARCHER
BEAH	BEAVENS 1935
BEAI	BEAULY
BEA1	BEARDLESS 6
BEA2	BEARDLESS 5
BEA3	BEARER
BEA4	BEARDLESS
BEA5	BEAVEN'S PLUMAGE
BEA6	BEAVEN'S ENGLISH ARCHER 4
BEA7	BEARDED BARLEY WHEAT
BEA8	BEARDLESS BARLEY WHEAT
BEA9	BEAVENS SPECIAL
BEC	BECA
BEC1	BECKET
BED	BEDFORD
BED1	BEDI
BEE	BEECHER
BEE1	BEERDORFER
BEG	BEGAS
BEG1	BEGSTRASSER
BEG2	BEG
BEK	BEKA
BEL	BELDI
BELA	BELORUSSKII 18
BELB	BELFOR
BELC	BELOE
BELD	BELLI
BELE	BELDI GIANT 1
BELF	BELDI GIANT 2
BELG	BELLE
BELH	BELUNA
BELI	BELE
BELJ	BELA 40
BELK	BELGIAN LINE 456
BELL	BELLONA
BELM	BELADI
BELN	BELOGORSKII
BELO	BELOPA
BEL1	BELDI GIANT

CODE	CULTIVAR NAME
BEL2	BELFORD
BEL3	BELDI DWARF
BEL4	BELOWNEE
BEL5	BELTON
BEL6	BELLA
BEL7	BELLVER 1
BEL8	BELLVER 2
BEL9	BELORUSSKII
BEM	BEMBA
BEN	BENKEI 3
BENA	BENEFITING COUNTY
BENB	BENT ENNEBI
BENC	BENKEIMUGI
BEND	BENICHINKO
BEN1	BEN BEARDLESS
BEN2	BENI OLID
BEN3	BENTON
BEN4	BENGHAZI
BEN5	BENIHADAKA
BEN6	BENIUME
BEN7	BENKEI
BEN8	BENDER
BEN9	BEN
BEO	BEORNA
BER	BERE
BERA	BERTA
BER1	BERAC
BER2	BERNBURG 14717
BER3	BERRICHONNE
BER4	BERRY
BER5	BERNARD
BER6	BERKLEY
BER7	BERGERSLANDGERSTE
BER8	BERENICE
BER9	BERG
BES	BESBAR
BES1	BESERT
BES2	BESTEHORN IMPERIAL
BES3	BESTEHORN GIANT
BES4	BESTEHORN KAISER
BES5	BESSY
BES6	BESERT 14
BES7	BESELERS WINTER BARLEY
BES8	BESCHO
BES9	BESERT 13
BET	BETZES
BETA	BETA KETSOROS
BETB	BETA 6
BETD	BETHGE
BETE	BETHGE 4
BETF	BETHGE VICTORIA
BETG	BETA 13
BET1	BETHGES M. OETZES 13
BET2	BETINA
BET3	BETHGE 2
BET4	BETHGE 13
BET5	BETHGES 3
BET6	BETZES ERECTOIDES
BET7	BETHGES NAKED WINTER BARLEY
BET8	BETA
BET9	BETA 40
BEV	BEVEDE
BEV1	BEVIS
BEY	BEY
BG	BG2
BGM	BGM 61
BG1	BG1
BG2	BG5
BG3	BG15
BG4	BG18
BG5	BG35
BG6	BG36
BG7	BG55
BHA	BHAGARMANY HILLS
BHD	BHD 4
BHDA	BHD 22

CODE	CULTIVAR NAME
BHDB	BHD 23
BHDC	BHD 24
BHDD	BHD 25
BHDE	BHD 26
BHDF	BHD 27
BHDG	BHD 28
BHDH	BHD 29
BHDI	BHD 30
BHDJ	BHD 31
BHDK	BHD 32
BHDL	BHD 33
BHDM	BHD 34
BHDN	BHD 35
BHDO	BHD 38
BHDP	BHD 39
BHD1	BHD 6
BHD2	BHD 12
BHD3	BHD 14
BHD4	BHD 16
BHD5	BHD 17
BHD6	BHD 18
BHD7	BHD 19
BHD8	BHD 20
BHD9	BHD 21
BID	BIDO
BIF	BIFARB
BIG	BIG BOY
BIG1	BIGO
BIG2	BIG BARLEY
BIG3	BIG NORWEGIAN BARLEY
BIJ	BIJEONWASE
BIN	BINDER
BIN1	BIN
BIN2	BINE
BIR	BIRGITTA
BIR1	BIRKA
BIR2	BIRGIT
BIS	BISCARRUES 1
BIS1	BISCARRUES 2
BIS2	BISCARRUES 3
BIS3	BISCARRUES 4
BIS4	BISCARRUES 5
BIS5	BISKRA
BIS6	BISON
BIZ	BIZEN WASE
BIZ1	BIZENWASE SAITAMA 4
BIZ2	BIZEN WASE 5
BIZ3	BIZEN WASE 36
BIZ4	BIZEN WASE 53
BJA	BJALVE
BJM	BJM 21
BJO	BJORNEBY
BJR	BJRNEBY
BLA	BLANCO MARIOUT
BLAA	BLACKY
BLAB	BLANCO
BLAC	BLARNEY
BLAD	BLACK SKINLESS
BLAE	BLACK JAPAN
BLAF	BLACK
BLAG	BLACK WINTER
BLAH	BLACK EGYPTIAN
BLAI	BLANCA DE ELCHE
BLAJ	BLANQUETA
BLAK	BLACK ABYSSINIAN
BLAL	BLAZER
BLAM	BLANCHE D'AFRIQUE
BLAN	BLACK ROUGH
BLAO	BLACK AWNLESS
BLAP	BLATTERKINDER
BLAQ	BLACK KERNAL 2 ROW
BLA1	BLACK BARBLESS
BLA2	BLACKHULL
BLA3	BLACK BARLEY
BLA4	BLACKHULL-LESS
BLA5	BLACK RUSSIAN
BLA6	BLACK ALGERIAN
BLA7	BLACK ARABIAN
BLA8	BLACK DEFICIANS
BLA9	BLACK SMYRNA
BLE	BLENDA
BLU	BLUE
BLU1	BLUE LONG HEAD
BLU2	BLUE HULLESS
BLU3	BLUE MARIOUT
BLU4	BLUE RIBBON
BLU5	BLUE NAKED
BLU6	BLUE SHORT HEAD
BLU7	BLUE BALL
BLU8	BLUE SMOOTH
BLU9	BLUE ROUGH
BMC	BMC
BOA	BOA FE
BOB	BOBIVSKOI
BOB1	BOBRO
BOB2	BOBCAT
BOC	BOCKENSKI
BOC1	BOCK
BOC2	BOCHEMIA
BOC3	BOCEN
BOD	BODE
BOG	BOGDAE
BOH	BOHEMIAN
BOH1	BOHEMIA
BOH2	BOHMAN
BOH3	BOHATYR
BOH4	BOHEMIA 8
BOL	BOLIVIA
BOL1	BOLTON
BOL2	BOLEA 1
BOL3	BOLEA 2
BOL4	BOLLO
BOL5	BOLRON
BOL6	BOLOTNYI 458
BOM	BOMI
BOM1	BOMBI ABED
BOM2	BOMI ABED
BOM3	BOMBE
BOM4	BOMUBORI
BON	BONANZA (CANADA 1980)
BONA	BONGIE
BONB	BONNEVILLE(XR)
BONC	BONBORI
BOND	BONNEVILLE DWARF
BONE	BONUS (NORWAY)
BON1	BONNEVILLE
BON2	BONUS (SWEDEN)
BON3	BONUS(XR)
BON4	BONUS 2
BON5	BONUS M
BON6	BONFARIK
BON7	BONNEVILLE 70
BON8	BON RUDEN 1
BON9	BONANZA(USA 1912)
BOO	BOONE
BOQ	BOQUIMENI
BOR	BORUN
BORA	BORDENAVE RANQUELINA MAG
BORB	BORYUNG
BORC	BORIDO
BORD	BORIMUGI
BORE	BORDIER
BORF	BORE 2
BOR1	BORE
BOR2	BORDIA
BOR3	BOREHAM WARRIOR
BOR4	BORDENAVE RANQUELINA
BOR5	BORJAS BLANCAS
BOR6	BORREDA
BOR7	BORYNA
BOR8	BORZYMOWICKI
BOR9	BORETS

CODE	CULTIVAR NAME
BOS	BOSHENSKII
BOS1	BOSQUET
BOT	BOTESSE
BOU	BOUZU
BOY	BOYER
BOZ	BOZU 1
BOZ1	BOZU OMUGI
BOZ2	BOZU
BOZ3	BOZU OMUGI 1
BPB	BPB 64/74
BP3	BP 3
BRA	BRANT
BRAA	BRANISOVICKY
BRAB	BRAUNES MEHLTAURESISTENCE
BRAC	BRANDON 3902
BRAD	BRANDON 1099
BRAE	BRANDON 2131
BRAF	BRANDON 216
BRAG	BRANISOVICE VRZ
BRA1	BRANDON 1136
BRA2	BRACHYTIC
BRA3	BRAGE
BRA4	BRACHYRUM
BRA5	BRANDON 213
BRA6	BRANISOVICKY C
BRA7	BRAVARNYI PZHR
BRA8	BRASSERIE
BRA9	BRAUNE
BRE	BREVIA
BREA	BREUSTEDTS FRISIA
BREB	BREWERS FAVORITE
BREC	BREWERS DELIGHT
BRED	BREUSTEDTS SCHLADENER
BREE	BREUNS VILLA
BREF	BREWERS
BREG	BREUNS FRANKEN 2
BREH	BREHAT
BREI	BREUSTEDTS HARZER
BREJ	BREUSTEDT 6129
BREK	BREUSTEDTS STAM
BREL	BREUSTEDTS 75/29
BREM	BREUSTEDTS HARZER IMPERIAL
BREN	BREUNS NOTA
BREO	BREUNS MEHLTAURESISTENTE
BREP	BREUGA
BREQ	BREUNS NEUZUCHT
BRET	BREUSTEDTS TILLI
BRE1	BREUNS FRANKEN 3
BRE2	BREUNS
BRE3	BREUNS WISA
BRE4	BREUNS FRANKEN
BRE5	BREUNS HEINRICH
BRE6	BREUNS ELI
BRE7	BREUNS VOLLA
BRE8	BREUSTEDTS GRANAT
BRE9	BREUSTEDTS ATLAS
BRI	BRIGGS
BRI1	BRICKHORN
BRI2	BRIO
BRI3	BRITTA
BRI4	BRIGITTA
BRI5	BRITTLE RACHIS
BRI6	BRIC 65
BRI7	BRIER
BRI8	BRIGHT GREEN
BRI9	BRIER 7157
BRO	BROCK
BRO1	BROWARNY PZHR
BRO2	BRONISHOVITSKII C
BRO3	BROME
BRO4	BROWARNY PZHR (STRZELCE)
BRO5	BROWARNY OF SVALOF
BRO6	BROWN
BRO7	BRONISOVICKY
BRU	BRUGH 76
BRUA	BRUGH
BRUB	BRUGH 23
BRUC	BRUCKER 6-ROW NO 34
BRU1	BRUCKER NO 2
BRU2	BRUCKER NO 3
BRU3	BRUCKER 2-ROWED NO 34
BRU4	BRUCKER 2-ROWED NO 4
BRU5	BRUCKER RESISTA
BRU6	BRUKER 4 ROW NO 4
BRU7	BRUSH
BRU8	BRUCE
BRU9	BRUSSELL
BRZ	BRZESKI
BR1	BR22
BR2	BR31
BR3	BR32
BR4	BR 4635
BR5	BR33
BUC	BUCIANSKY
BUC1	BUCHI 1
BUC2	BUCHER
BUC3	BUCIANSKY KNEIFEL
BUC4	BUCK 111
BUC5	BUCK ANDINA
BUC6	BUCKNERS BEREDELTE SCHLESISCHE
BUD	BUDDAH
BUE	BUENOS AIRES 109
BUF	BUFF
BUH	BUHEUNG
BUH1	BUHOBORI
BUK	BUKANSKY
BUL	BULCHI GOFA
BUL1	BULGARIAN
BUL2	BULGARIAN WINTER
BUL3	BULLOBAR
BUL4	BULGARIA 1241
BUL5	BULGARIAN 1294
BUL6	BULGARIAN 1337
BUL7	BULGARIAN 4584
BUL8	BULGARIAN 5652
BUN	BUNONG
BUN1	BUNI
BUR	BURBANKS HULLESS
BURA	BURYE 3
BURB	BURGARAB
BUR1	BURTON MALTING
BUR2	BURBANK
BUR3	BURGO DE EBRO
BUR4	BURGUETE (B)
BUR5	BUREA
BUR6	BURCKNERS SILESIAN
BUR7	BURWELL
BUR8	BURYE 1
BUR9	BURYE 2
BUS	BUSSELL
BUS1	BUSSER
BUS2	BUS:ZEP 166
BUT	BUTTENHARDT 3
BYG	BYG 191
BYN	BYNG
BYN1	BYNG TUNGA
B16	B 16
B18	B 18
B2	B 2
B20	B 2038
B21	B 2145
B29	B 294
B400	B-400
B42	B 42
B49	B 49
B6	B 6
B69	B 69
B7	B 7
B81	B8129 MC
B85	B 85
CAB	CABEZA
CAB1	CABALLERO

CODE	CULTIVAR NAME
CAB2	CABALLAR DE ALCALA DE HENARES 182
CAB3	CABALLAR DE ALCALA DE HENARES 134
CAB4	CABALLAR DE HARO
CAB5	CABALLAR DE RUMANIA
CAB6	CABALLERA
CAB7	CABOLAFUENTE 1
CAB8	CABOLAFUENTE 2
CAB9	CABRO
CAD	CADIZ
CAD1	CADREITA (B)
CAD2	CADMUS
CAF	CAFAF
CAJ	CAJA
CAL	CALHOUN
CALA	CALIFORNIA CENTGENER
CALB	CALIF
CALC	CALLAS
CALD	CALIFORNIA BREWING
CALE	CALIFORNIA CHEVALLIER
CALF	CALCU
CALG	CALTOJAR
CALH	CALIFORNIA 2
CAL1	CALIFORNIA COAST
CAL2	CALIFORNIA FEED
CAL3	CALIFORNIA MARIOUT
CAL4	CALIFORNIA
CAL5	CALIFORNIAN 1
CAL6	CALOTTE
CAL7	CALIFORNIA PROLIFIC
CAL8	CALAMOCHA 1
CAL9	CALAMOCHA 2
CAM	CAMBRINUS
CAM1	CAMTON
CAM2	CAMILA
CAM3	CAMBRIDGE ARCHER
CAM4	CAMARASESCU
CAN	CANADIAN LAKE SHORE
CANA	CAN CUN DE MAJ
CANB	CANBERRA
CANC	CANDICE
CAND	CANALON
CAN1	CANADIAN THORPE
CAN2	CANADA WINTER
CAN3	CANADIAN
CAN4	CANOVA
CAN5	CANADIAN MARIOUT
CAN6	CANTON CHIEF
CAN7	CANNELLS ARCHER
CAN8	CANADIAN MAMMOTH WINTER BARLEY
CAN9	CANO 1
CAP	CAPE
CAP1	CAPE EARLY
CAP2	CAPE SIX ROW
CAP3	CAPE COAST
CAP4	CAPE-COAST HYBRID
CAP5	CAPTAIN BILL
CAP6	CAPRI
CAP7	CAPE 2
CAP8	CAPELIA
CAR	CARLSBERG
CARA	CARINA
CARB	CARSTENS ZWEIZWILIGE WINTERGERSTE
CARC	CARSTENS 2 ROWED WINTER
CARD	CARTER
CARE	CARREE D'ALGERIE
CARF	CARMELA BAER
CARG	CARRE 42
CARI	CARYTID
CARJ	CARRE 26
CARK	CARSTENS CONTRA
CARL	CARNIVAL
CARM	CARRON
CARN	CARRALON
CARO	CARTAYA
CARP	CARREE
CARQ	CARGO

CODE	CULTIVAR NAME
CARR	CARRE DE PRINTEMPS
CARS	CARILLON
CAR1	CARMEN
CAR2	CARLSBERG 2
CAR3	CARTER'S PRIZE PROLIFIC
CAR4	CARSTENS 2-ROW
CAR5	CARSTENS WINTERGERSTE
CAR6	CARRE 180
CAR7	CARIBOU
CAR8	CARTOUCH
CAR9	CARSTEN
CAS	CASCADE
CASA	CASTEJON DE SOS 2
CASB	CASWELL
CASC	CASS
CASD	CASPIAN
CASE	CASELL
CASF	CASTEL
CASG	CASTELLA
CAS1	CASBON
CAS2	CASTARLENAS 1
CAS3	CASTARLENAS 2
CAS4	CASTARLENAS 3
CAS5	CASTARLENAS 4
CAS6	CASTEJON DE SOBRARBE 1
CAS7	CASTEJON DE SOBRARBE 2
CAS8	CASTEJON DE SOBRARBE 4
CAS9	CASTEJON DE SOS 1
CAT	CATSKILL
CAT1	CATANIA
CAU	CAUCASIAN
CAU1	CAULDWELL
CAU2	CAUCASIAN HULL-LESS
CAV	CAVEDA
CAV1	CAVALIER
CB1	CB. 102
CB8	CB 881
CEA	CEALA ANPHORAN
CEA1	CEALA NAN
CEB	CEBECO 6203
CEBA	CEBECO 7934
CEBB	CEBECO 6010
CEBC	CEBADO BALLOBAR
CEBD	CEBECO 207
CEBE	CEBECO 6107
CEBF	CEBECO 6501
CEB1	CEBADA CAPA
CEB2	CEBECO EMIR
CEB3	CEBADA DU LLOBREGAT
CEB4	CEBECO 7161
CEB5	CEBECO 6723
CEB6	CEBADA
CEB7	CEBADA FORAJERA
CEB8	CEBECO 201
CEB9	CEBECO 6721
CEL	CELAYA
CEL1	CELINNYJ 5
CEL2	CELECHOVICKY HANACKY
CEL3	CELECHOVICKY
CEL4	CELESTA
CEN	CENTENNIAL
CENA	CENAD 869
CENB	CENAD 399
CENC	CENAD 450
CEND	CENAD 344
CEN1	CENAD 395
CEN2	CENAD 396
CEN3	CENAD 345
CEN4	CENTRA
CEN5	CENTRE
CEN6	CENAD 578
CEN7	CENAD 596
CEN8	CENAD 132
CEN9	CENAD 1251
CER	CERES
CERA	CERVECERA X PRECOZ 3

CODE	CULTIVAR NAME
CERB	CERVECERA X PRECOZ 4
CERC	CERVECERA X PRECOZ 5
CERD	CERVECERA X PRECOZ 6
CERE	CERVECERA X PRECOZ 7
CERF	CERVECERA X PRECOZ 8
CERG	CERVECERA X PRECOZ 9
CERH	CERVECERA X PRECOZ 10
CERI	CERVECERA X PRECOZ 11
CERJ	CERTA
CERK	CERRO PRIETO
CERL	CERNOMOREL
CERM	CERNIA
CERN	CERVECERA 2034
CERO	CERRO
CERP	CERVECERA
CER1	CERTINA
CER2	CERESIA
CER3	CERISE
CER4	CERES (FRANCE)
CER5	CERVECERA NO 34
CER6	CERVECERA DE BURGUETE 1
CER7	CERVECERA DE BURGUETE 2
CER8	CERVECERA X PRECOZ 1
CER9	CERVECERA X PRECOZ 2
CES	CESARSKI STIEGLERA
CEV	CEVADA DE SEIS ORDEND
CF4	CF 45-2
CF9	CF 91
CHA	CHARLOTTETOWN 80
CHAA	CHARKOVSKY 306
CHAB	CHARKOVSKY 410
CHAC	CHAE RAE BAEC
CHAD	CHANGE MAE 15
CHAE	CHAMOIS
CHAF	CHALCHARAN
CHAG	CHAYAMUGI
CHAH	CHALET
CHA1	CHAMPION OF VERMONT
CHA2	CHASE
CHA3	CHAMPLAIN
CHA4	CHAMPION
CHA5	CHARMA
CHA6	CHASUNGMACK
CHA7	CHAMPION-PAMIR
CHA8	CHANG TUNG
CHA9	CHARKOVSKY 60
CHE	CHEVRON
CHEA	CHERNOMORETS
CHEB	CHERVONETS
CHEC	CHEYNEY
CHED	CHEVALIER WINTER
CHEE	CHENEY
CHEF	CHENBUK 45
CHEG	CHE CHAN 5
CHEH	CHELEKHOVITSKII HANNA
CHEI	CHEDDAR
CHEJ	CHEROFF
CHEK	CHESNEY
CHEL	CHEDRET
CHEM	CHERNIGOVSKII 888
CHEN	CHEKIANG
CHEO	CHERKASSKII 134
CHE1	CHEVALIER
CHE2	CHEVALIER 2
CHE3	CHEVALLIER
CHE4	CHELIFF
CHE5	CHERNIGOVSKII
CHE6	CHEONGMAEG
CHE7	CHENAD 395
CHE8	CHERNIGOVSKII 5
CHE9	CHERNIGOVSKII 7
CHI	CHILE COMMON
CHIA	CHINERME
CHIB	CHILBO
CHIC	CHILE CHEVALLIER
CHID	CHINESE HULL-LESS
CHIE	CHIRVIS
CHIF	CHIKURIN IBARAKI 2
CHIG	CHINESE BLACK
CHIH	CHINKO
CHII	CHIRO CHINKO
CHIJ	CHISSINAN ARAD
CHIK	CHIRKUNG 39
CHIL	CHIGASAKI NIJO 10
CHIN	CHIRPAN
CHI1	CHILEAN C.
CHI2	CHILEAN D.
CHI3	CHINESE
CHI4	CHINESE OTTAWA 60
CHI5	CHILIAN BREWING
CHI6	CHILEAN
CHI7	CHIKURIN
CHI8	CHIKURIN IBARAKI 3
CHI9	CHILDS
CHL	CHLUMECKY
CHO	CHOSHIRO
CHO1	CHOUSK
CHO2	CHORNY
CHO3	CHORDZAU
CHO4	CHOPUNGBORI
CHR	CHRISTENSENS WINTER BARLEY
CHR1	CHRISTA
CHR2	CHRIS
CHU	CHUNYANGJAERAE
CHU1	CHUDOKI
CHU2	CHUGOKU HADAKA 14
CHU3	CHUNG-KING
CHU4	CHUSI
CHU5	CHUGOKU NIJO 1
CHU6	CHULINGEN
CHY	CHYUNCHEONJAELAE
CIH	CIHUELA
CIL	CILLA
CIN	CINTRUENIGO
CIR	CIRO
CIR1	CIRRUS
CIR2	CIRPAN 1241
CIU	CIUDAD REAL (A)
CIV	CIV 490/4
CIV1	CIVILSKY
CI1	CI 10076
CI11	CI 1227
CI12	CI 10528 GA.Y635
CI4	CI 4173
CI5	CI 5043
CI7	CI 7028
CI71	C I 7208
CI72	CI 7372
CLA	CLAWSON
CLA1	CLAYTON
CLA2	CLARET
CLA3	CLARA
CLA4	CLAUDE
CLA5	CLAUDIA
CLA6	CLANEY
CLE	CLERMONT
CLE1	CLEMSON AWNLESS
CLE2	CLEMSON HOODED
CLE3	CLEROFF
CLI	CLIPPER
CLI1	CLIFFORD
CLO	CLOROFF
CLU	CLUB MARIOUT
CLU1	CLUJ 32-123
CLU2	CLUJ 33-138
CLU3	CLUJ 33-139
CLU4	CLUB MARIOUT 21
CLU5	CLUJ 26
CLU6	CLUJ 230
CLU7	CLUJ 156
CLY	CLYDE
CM6	C.M.67

CODE	CULTIVAR NAME
CM72	CM 72
CN	CN292
CN2	CN 294
COA	COAST
COA1	COASTON
COA2	COAST 2
COA3	COAST 3
COA4	COAKE 68
COE	COELESTE
COE1	COELESTE 497/050
COE2	COELESTE 5195
COE3	COELESTE 1274
COE4	COELESTE EMPIRE
COF	COFOLU
COG	COGOTONA 7
COG1	COGOTONA 8
COG2	COGOTONA DE CARCASTILLO A
COG3	COGOTONA DE CARCASTILLO B
COG4	COGOTONA PRECOZ DE VALTIERRA O DEL M
COG5	COGOTONA DE VALTIERRA
COH	COHO
COL	COLORADO 3063
COLA	COLE
COLB	COLVILLE
COLC	COLLIMBA
COLD	COLSESS 5
COLE	COLUMBIJSKY NAHY
COLG	COLSESS 4
COL1	COLONIAL
COL2	COLONIAL 2
COL3	COLOSSAL HULL-LESS
COL4	COLSESS
COL5	COLUMBA
COL6	COLBY LOCAL
COL7	COLLEGE 1
COL8	COLCHIUM 10/30
COL9	COLMAR
COM	COMPOSITE CROSS 2 (CI 5461)
COMA	COMPACTA
COMB	COMPACTA PESADA
COMC	COMMON LONG EAR'D BARLEY
COMD	COMMON TWO ROWED
COME	COMPOSITE CROSS 21
COMF	COMPOSITE CROSS
COMG	COMMON CHILE
COMH	COMPOSITE CROSS 12
COMI	COMPOSITE CROSS 14
COMJ	COMPOSITE CROSS 15
COMK	COMPOSITE CROSS 5
COML	COMMON 4 ROWED WINTER
COMM	COMMON 4 ROWED
COMN	COMFORT 2
COMO	COMPOSITE CROSS 16
COMQ	COMMA
COMR	COMPOSITE STOCK
COM1	COMPOSITE CROSS 3 (CI 5530)
COM2	COMPOSITE CROSS 10 (CI 6625)
COM3	COMFORT
COM4	COMMON
COM5	COMPOSITE CROSS 1
COM6	COMMON SIX-ROWED 4307 MC
COM7	COMPANA
COM8	COMMANDER
COM9	COMTESSE
CON	CONQUEST
CON1	CONSUL
CON2	CONWAY
CON3	CONTAMINA 1
CON4	CONTAMINA 2
CON5	CONSISTA
CON6	CONTRA
CON7	CONQUIST 2566
CON8	CONCERT
COO	COOLIE
COP	COPELIA
COR	CORDOVA

CODE	CULTIVAR NAME
CORA	CORBEL
CORB	CORA
CORC	CORGIE
CORD	CORRIS
CORE	CORSAIRE
CORF	CORACK
COR1	CORETH
COR2	CORTNEY
COR3	CORTILE
COR4	CORACLE
COR5	CORALLE
COR6	CORNEL
COR7	CORVETTE
COR8	CORNISH COMMON
COR9	CORNISH
COS	COSSACK
COS1	COSMOS 34
COS2	COSMOS
COT	COTTS
COU	COUNTRY BARLEY
COU1	COU DE CYGNE
COU2	COUTRA
CP	CP 127
CRA	CRAIG'S TRIUMPH
CRA1	CRAWFORD
CRE	CREE
CRE1	CRETE
CRI	CRIEWENER 403
CRI1	CRISTAL
CRI2	CRIWENER 403
CRI3	CRIMEAN HULL-LESS
CRI4	CRIMONT
CRI5	CRIWENER 2
CRI6	CRIEWENER 96
CRO	CROCKET
CRO1	CROMLECH
CRO2	CROSSED AWNS
CRO3	CROMARTY
CRO4	CROSIER
CRU	CRUSADER
CRU1	CRUBAT
CS3	CS 38/11
CS4	CS 41/1
CUA	CUADRADA DE INVIERNO
CUA1	CUARTE 1
CUA2	CUARTE 2
CUB	CUBEL
CUG	CUGALLPUR 2
CUI	CUIDADREAL REAL
CUL	CULVER
CUR	CURRA
CUS	CUSTER
CUS1	CUSADO
CUT	CUTTER
CVA	CVAR-TUNIS-NORTH AFRICA
CVA1	CVAR MANDSCHEURI BARLEY
CVA2	CVAR MANCHURY MINN NO 6
CVA3	CVAR CVA SWITZERLAND
CVA4	CVAR 6-ROW OF EASTERN USA
CVA5	CVAR LOCAL CVA-DENTON TEXAS
CVA6	CVAR SOUTH AMERICA
CVA7	CVAR BREEDER OWNED STRAIN
CYB	CYBELE
CYC	CYCLONE
CYP	CYPRUS BLACK
CYT	CYTRIS
CZA	CZAR
CZE	CZECH
CZE1	CZECH IMMUNE
C13	C 138
C14	C141
C141	C 141
C16	C 164
C167	C167
C17	C. 177
C251	C 251

CODE	CULTIVAR NAME
C50	C 50
C63	C 63
C65	C 65
C84	C 84
C916	C 9/16
C96	C 9/6
DAB	DABAKY
DAB1	DABAT
DAC	DA CAFFE
DAG	DAGESTANSKY
DAG1	DAG ARPASY
DAI	DAIROKKAKU
DAI1	DAISIN 24
DAI2	DAISEN GOLD
DAI3	DAIKI-OMUGI
DAI4	DAICHI
DAI5	DAIROKKAKU 1
DAJ	DAJOKAN
DAK	DAKA
DAM	DAMPIER
DAM1	DAMSEAUX
DAM2	DAMAZY
DAM3	DAMNYR
DAN	DANS-TRISAKA 8-31
DANA	DANISH 6 ROW
DANB	DANNE 113
DANC	DANS MANITOBA
DAND	DANGOMUGI
DANE	DANUBE
DAN1	DANA
DAN2	DANISH ARCHER
DAN3	DANISH
DAN4	DANUBIA
DAN5	DANISH CHEVALLIER
DAN6	DANISH PRENTICE
DAN7	DANIELS
DAN8	DANUBIA CIOLKOWSKI
DAN9	DANPRO
DAO	DAOFU BLACK SIX-ROWED NAKED BARLEY
DAP	DAPRO
DAP1	DAPLES
DAP2	DAPHNE
DAR	DARLYN
DAR1	DARBENT
DAR2	DARLING
DAR3	DARBURGER EVA
DAS	D'ASSAS
DAT	DATE 2
DAT1	DATE
DAU	DAUPHINE
DAU1	DAULATABAD
DAV	DAVIDSON
DAV1	DAVIE
DAY	DAYTON
DEA	DEA
DEA1	DEAWN
DEB	DEBA ABED
DEB1	DEBA
DEB2	DEBRA SINA
DEB3	DEBRA BIRHAN
DEC	DECATUR
DEC1	DECIDUOUSLEM
DEC2	DECORTICATUM
DEF	DEFICIENT BARLEY
DEG	DEGE BLACK NAKED BARLEY
DEG1	DEGE WHITE NAKED BARLEY
DEH	DEHRA
DEH1	DEH KUNDI
DEI	DEISTER
DEI1	DEIN ALLA 103
DEI2	DEIR ALLA 102
DEK	DEKA
DEK1	DEKSANDONGBORI
DEK2	DEKAP
DEL	DELTA (HOLLAND 1959)
DEL1	DELISA

CODE	CULTIVAR NAME
DEL2	DEL NORTE
DEL3	DEL PAIS 1
DEL4	DEL PAIS 2
DEL5	DELTA (ENGLAND 1982)
DEM	DE MONTANA
DEN	DENSO
DEN1	DENAR
DEN2	DENRAI
DEN3	DENTIL
DEN4	DENAR (X)
DEP	DEPUTY
DER	DERR WINTER
DER1	DERENBURGER
DER2	DERBENT
DER3	DERFLINGER
DER4	DERA
DES	DESNUDA
DES1	DESNUDA DE HARO
DES2	DESPREZ 55146
DES3	DESNANSKY 8
DES4	DE SENOR
DES5	DE SEIS ORDENS
DET	DETSKOSELEKSY
DET1	DETTO
DET2	DETENICKY BOHATYR
DET3	DETENICKY KARGYN
DET4	DETENICKY N 64
DG1	DG 1
DG2	DG 2
DIA	DIAMANT
DIA1	DIANA
DIA2	DIAMOND
DIA3	DIABAZ
DIC	DICKSON
DIC1	DICKTOO
DIC2	DICKLIOR
DID	DIDO
DIJ	DIJON 2
DIK	DIKTU
DIL	DILLA
DIN	DINA
DIN1	DINAR
DIO	DIOSECKY 738
DIO1	DIOSECKY
DIO2	DIOSECKY SPRINTER
DIO3	DIOSECKY 802
DIO4	DIOSECKY 237
DIO5	DIOSECKY 496
DIO6	DIOSECKY 1496
DIP	DIPPER
DIP1	DIPPE'S HERFORDIA
DIP2	DIPPE 168
DIS	DISTICO DI SIRTE
DIS1	DISSA
DIV	DIVA
DIX	DIXIE
DJE	DJEDDAH
DJE1	DJENADBI
DJU	DJUGAY
DL	DL 59
DLU	DLUZEWSKI
DLU1	DLUZEWSKI WANDA
DL1	DL 69
DL2	DL 107
DNE	DNEPRONETROVSKII 220
DNE1	DNEPRONETROVSKII 425
DNI	DNIEPER 212
DNJ	DNJEPROPETROVSK
DO	DO 4
DOB	DOBAKU
DOB1	DOBROVICKY 8
DOB2	DOBROVITSKII STAROCHEKH
DOB3	DOBELNER IMPERIAL HALLE
DOB4	DOBROWITZ ALTBOHMISCHE
DOB5	DOBROVICKY
DOB6	DOBROVICKY 101

CODE	CULTIVAR NAME
DOG	DOGHDALI
DOH	DOHADAK
DOI	DOITSU
DOI1	DOINA
DOI2	DOITSU HARUMAKI
DOK	DOKUCHAEVSKII
DOL	DOLLOPLASSER HANNA
DOM	DOMEN
DOM1	DOMINA
DOM2	DOMINATOR
DOM3	DOMETZKOER PARADIESGERSTE
DOM4	DOME
DOM5	DOM 172
DOM6	DOMAZY
DOM7	DOM 4/48
DON	DONARIA
DONA	DONETSKII 513
DONB	DONETSKII 646
DONC	DONETSKII 4
DOND	DONETSKII 591
DONE	DONSKOI 20/21
DONF	DONETSKII 6
DONG	DONGSANPI 49
DONH	DONGMACK 24
DONI	DONGSAM 24
DONJ	DONGSAM
DONK	DONETSKII 5
DONL	DONETSKII 576
DONM	DON
DONN	DONAU
DONO	DONECKY
DONP	DONAN
DONQ	DONSKOI 11
DONR	DONSKOI RANNII
DONS	DONETSKII 8
DON1	DONJON
DON2	DONGBORI 1
DON3	DONGBORI 2
DON4	DONGMAEG 42
DON5	DONGBORI 42
DON6	DONETSKII 650
DON7	DONNES
DON8	DONSKOI
DON9	DONETSKII 594
DOO	DOORUBORI
DOO1	DOOSAN 8
DOR	DORSETT
DORA	DORNBURGER HEILS HEDE
DORB	DORNBURG FUTTER
DOR1	DORNBURGER HEIL
DOR2	DORE
DOR3	DORNBURGER
DOR4	DORIS
DOR5	DORA
DOR6	DORIRUMUGI
DOR7	DORNBURGER HEILS FRANKEN
DOR8	DORIA
DOR9	DORNBURGER EVA
DOU	DOUKHOBOR
DOU1	DOUGLAS
DOV	DOVER
DOW	DOWEON
DRA	DRAGON
DRA1	DRAKE
DRA2	DRAM
DRE	DREGERUV
DRE1	DREGERUV IMPERIAL
DRO	DROST
DRO1	DROSSENFELDER FRANKONIA
DRO2	DROSSEL
DRO3	DROT
DRO4	DROST A
DRO5	DROSH
DRO6	DROP
DRO7	DRONTO
DRU	DRUMMER

CODE	CULTIVAR NAME
DRU1	DRUSP
DRY	DRYLAND
DSC	DSCHJUGJAT
DSG	DSGW 169
DS2	DS 295
DS20	DS 205
DUB	DUBAS
DUC	DUCKBILL
DUC1	DUCKBILL BALD
DUC2	DUCKBILL OTTAWA 57
DUC3	DUCKSBILL
DUE	DUENS 480/68
DUF	DUFUR
DUK	DUKAT
DUK1	DUKS SEJET
DUN	DUNJA
DUN1	DUNAJSKY TRH
DUN2	DUNHAM
DUN3	DUNDARBEYI
DUN4	DUNCAN
DUP	DUPLEX
DUP1	DUPLEX 3
DUP2	DUPLINIGRUM
DUR	DURA
DUR1	DURANI
DUR2	DUREJA
DUT	DUTCHESS
DUT1	DUTCH
DUT2	DUTROW WINTER
DUT3	DUTCH WINTER
DUT4	DUTCH BALDER
DUT5	DUTCH 6 ROW
DVO	DVORAN
DVO1	DVOREDAC
DWA	DWARF 21
DWA1	DWARF
DZA	DZAU-BAPUST
DZH	DZHYUGAI
DZH1	DZHAU BAPAST
DZH3	DZHAU SAFEDAK
DZH4	DZHAU KABUTAN
DZU	DZUGAJ
DZV	DZVELTESLI
D2A	D2A
D58	D 58
D63	D 63
D69	D 69
D9	D 9
EAG	EAGLE
EAR	EARLY BEARDLESS
EARA	EARLY INDIAN
EARB	EARLY RUSSIAN
EARC	EARLY MINTING
EARD	EARLY LAPLAND
EARE	EARLY POPPELSDORFER
EARF	EARLY CALIFORNIA MARIOUT
EARG	EARLY 12A BONUS
EAR1	EARL
EAR2	EARLY PRIOR
EAR3	EARLY MARCONEE
EAR4	EARLY WELSH
EAR5	EARLY CAPE SIX ROW
EAR6	EARLY WONG
EAR7	EARLY BLACK TURKESTAN
EAR8	EARLY CHALLENGER
EAR9	EARLY CHEVALIER
EB	EB 582
EBA	EB 438
EBAA	EB 156
EBAB	EB 158
EBAC	EB 229
EBAD	EB 231
EBAE	EB 241
EBAF	EB 243
EBAG	EB 283
EBAH	EB 297

CODE	CULTIVAR NAME
EBAI	EB 301
EBAJ	EB 360
EBAK	EB 364
EBAL	EB 373
EBAM	EB 465
EBAN	EB 491
EBAO	EB 496
EBAP	EB 524
EBAQ	EB 527
EBAR	EB 536
EBAS	EB 560
EBAT	EB 564
EBAU	EB 609
EBAV	EB 639
EBAW	EB 650
EBAX	EB 658
EBAY	EB 660
EBAZ	EB 675
EBA1	EB 438-1
EBA2	EB 581
EBA3	EB 772
EBA4	EB 772-A
EBA5	EB 772-B
EBA6	EB 921-1
EBA7	EB 921-2
EBA8	EB 1556-2
EBA9	EB 3
EBB	EB 676
EBBA	EB 693
EBBB	EB 695
EBBC	EB 731
EBBD	EB 761
EBBE	EB 769
EBBF	EB 770
EBBG	EB 771
EBBH	EB 816
EBBI	EB 817
EBBJ	EB 820
EBBK	EB 822
EBBL	EB 825
EBBM	EB 881
EBBN	EB 884
EBBO	EB 888
EBBP	EB 894
EBBQ	EB 906
EBBR	EB 919
EBBS	EB 989
EBBT	EB 1110
EBBU	EB 1204
EBBV	EB 1391
EBBW	EB 1398
EBBX	EB 1468
EBE	EBERSBACHER
EBI	EBISU
EBR	EBRO
EBS	EBSTORFER
EB1	EB 1556
EB14	EB 145
EB2	EB 570
EB3	EB 905
EB4	EB 2100
EB49	EB 497
EB5	EB 2505
EB6	EB 2507
EB7	EB 489
EB8	EB 798
EB9	E.B. 999
EB9A	EB 921
ECE	ECENIC
ECK	ECKENDORF 5657
ECK1	ECKENDORFER
ECK2	ECKENDORF MAMMOTH
ECK3	ECKENDORF 11468
ECK4	ECKENDORFER WINTER
ECK5	ECKENDORF MAMMOTH 2
ECK6	ECKENDORF 5844
ECK7	ECKENDORFER MADRU
ECL	ECLAT
ECL1	ECLIPSE
EC2	EC 24882
EDD	EDDA
EDD1	EDDA 2
EDD2	EDDA 1
EDD3	EDDYSTONE
EDE	EDERLE
EDE1	EDELMUT
EER	EERO
EFF	EFFENDI
EGE	EGEA DELOS
EGL	EGLFINGER
EGL1	EGLFINDER HADO
EGL2	EGLFINGER MONACHIA
EGL3	EGLFINGER MOROPI 667
EGM	EGMONT
EGY	EGYPT 4
EGY1	EGYPTIAN BARLEY
EGY2	EGYPT 5
EGY3	EGYPT 9
EGY4	EGYPT 20
EHI	EHIME HADAKA 1
EHI1	EHIME HADAKA 2
EHI2	EHIME HADAKA 3
EIG	EIGER
EIJ	EIJOHADAKA
EIS	EISER OERLIKON
EJE	EJEA 1
EKK	EKKENDORUFA
EKO	EKONOM
EKS	EKSEDRA
ELA	ELASSONA
ELB	ELBO PAJBJERG
ELB1	ELBO
ELF	ELFRY
ELG	ELGINA
ELG1	ELGI
ELI	ELI
ELI1	ELIZABETH
ELK	ELKA HILDEBRANDA
ELL	ELLIS
ELL1	ELLIOT
ELO	ELONGATED GLUME HANNCHEN
ELR	ELROSE
ELS	ELSA (GERMANY)
ELS1	ELSES
ELS2	ELSA (FRANCE 1980)
ELV	ELVAS 73-65-6
ELZ	ELZA
EMA	EM. AFRICA
EME	EMERAUDE
EME1	EMERSON
EMI	EMIR
EMI1	EMILIO MARAINI
EMM	EMMA
EMP	EMPRESS (ENGLAND PRE 1892)
EMP1	EMPIRE
EMP2	EMPRESS (CANADA 1982)
EMP3	EMP 3
EMP4	EMP 2
ENA	ENANA
ENC	ENCINAS
ENG	ENGLISH ARCHER
ENGA	ENGLENS 2
ENGB	ENGLAWNLESS
ENGC	ENGLENS SENTA
ENGD	ENGLENS DUNJA
ENGE	ENGLENS INKA
ENGF	ENGLENS KATJA
ENGG	ENGLENS SONJA
ENG1	ENGLISH PRENTICE
ENG2	ENGLEDOW
ENG3	ENGLEDOW INDIA
ENG4	ENGELENS WIELAND

CODE	CULTIVAR NAME
ENG5	ENGELENS SECHSZEILIGE
ENG6	ENGELENS DEA
ENG7	ENGLISH CHEVALLIER
ENG8	ENGLISH MALTING
ENG9	ENGLENS SIX-ROWED
ENI	ENISEI
ENT	ENTRESOLE
ENV	ENVOY
EP75	EP 75
ERA	ERA
ERB	ERBET
ERB1	ERBACHSHOFER
ERB2	ERBIL
ERE	ERECTOIDES-32
ERE1	ERECTOIDES 16
ERE2	ERECTUM 106
ERE3	EREMO
ERE4	ERECTOIDES 7
ERE5	ERECT 13
ERE7	ERECTOIDES 23
ERF	ERFURT WHITE
ERF1	ERFA
ERH	ERHARDT FREDERIKSENS
ERI	ERIE
ERI1	ERICA
ERI2	ERIKA
ERK	ERKO
ERL	ERLA
ERM	ERME
ERN	ERNA
ERS	ERSHABET
ERU	ERUSTSULJE
ESA	ESAW
ESA1	ESAME
ESC	ESCOURGEON 4A
ESC1	ESCOURGEON HATIF DE GRIGNON
ESC2	ESCOURGEON
ESC3	ESCOURGEON 185/79
ESC4	ESCOURGEON DU NORD NO 5
ESC5	ESCOURGEON FAMILLE 4 DE GRIGNON
ESC6	ESCOURGEON DEMI-HATIF DES TOURETTES
ESC7	ESCOURGEON DE LA MARNE
ESE	ESEDRA
ESK	ESK
ESM	ESME
ESP	ESPRESSO
ESP1	ESPERANCE
ESP2	ESPE
ESS	ESSARY
EST	ESTATE
EST1	ESTAHZUELA
EST2	ESTANZUELA FORAJERA 75A
EST3	ESTANZUELA
EST4	ESTELLE
ETH	ETHIOPIEN
ETO	ETOILE DU VELAY
ETO1	ETOILE DE CHOISY
ETU	ETU
EUR	EUROPA (OLD)
EUR1	EUREKA
EUR2	EUROPAEUM 353/133
EUR3	EURA
EUR4	EURA 2
EUR5	EUROPA (GERMANY 1980)
EUR6	EUROPEUM
EVA	EVANS
EVA1	EVA
EVA2	EVASEM
EVE	EVEREST
EVE1	EVELYN
EVE2	EVENTAIL
EXA	EXADJION
EXC	EXCELSIOR
EXC1	EXCELLE
EXT	EXTENSIV 9
EXT1	EXTENSIV 1

CODE	CULTIVAR NAME
EZO	EZOND
FAI	FAIRFIELD
FAI1	FAIZABAD
FAK	FAKEL
FAL	FALARINEL
FAM	FAMESH
FAN	FAN
FAN1	FANLO
FAN2	FANFARE
FAN3	FANTASIA
FAN4	FANNETTE
FAO	FAO 24393
FAO1	FAO 14519
FAO2	FAO 25419
FAO3	FAO 18109
FAR	FARASCULES
FAR1	FARLETE
FAT	FATRAN
FAV	FAVORIT
FAY	FAYETTE
FAY1	FAYSEL
FEA	FEATHERSTON
FEE	FEED BARLEY
FEE1	FEEBAR
FEI	FEIDER 3
FEL	FELDA
FEL1	FELDNAER
FEL2	FELINE
FEL3	FELIX
FEL4	FELDSBERGER BRAUGERSTE
FEN	FENGSEIN
FEN1	FENELLA
FER	FERGUSON
FER1	FERGUS
FER2	FERONIA
FER3	FERJA
FER4	FERRERUELA DE HUERVA 1
FER5	FERRERUELA DE HUERVA 2
FER6	FERO
FER7	FERTODI C 4
FER8	FERTODI P 8
FES	FESTA
FET	FETISOVSKII
FIC	FICHTEL MOUNTAIN
FID	FIDA
FID1	FIDAX
FIE	FIELDSIDE
FIL	FILDSIDE
FIM	FIMBUL
FIM1	FIMBUL 2
FIN	FINLEY
FIN1	FINDLAY
FIN2	FINISTERE 62-3
FIN3	FINGAL
FIR	FIRLBECKS 3
FIRA	FIRLBECKS MILDEWRESISTANT 2
FIRB	FIRLBECKS MILDEWRESISTANT 3
FIRC	FIRLBECKS ULME
FIRD	FIRLBECKS UNA
FIR1	FIRLBECK 4999
FIR2	FIRLBECK
FIR3	FIRLBECKS UNION
FIR4	FIRLBECKS 4 ROWED WINTER
FIR5	FIRLBECKS VIERZEILIGE WINTERGERSTE
FIR6	FIRLBECK 2
FIR7	FIRECREST
FIR8	FIRLBECKS REGIA
FIR9	FIRLBECKS URTE
FIS	FISSER IMPERIAL
FIS1	FISCHERS EIRCHENBLATTER 3
FIT	FITIS
FJO	FJOLA
FLA	FLARE
FLA1	FLAXTON
FLA2	FLAVINA
FLA3	FLAMENCO

CODE	CULTIVAR NAME
FLE	FLECHE
FLE1	FLEURAC 66
FLE2	FLETUMER
FLO	FLORIDA 102
FLO1	FLOJA
FLO2	F L O 405
FLO3	FLORIDA
FLO4	F L O 1625
FLY	FLYNN
FLY1	FLYNN 37
FLY2	FLYNN 1
FOM	FOMA
FOM1	FOMBELLIDA
FON	FONGTEIN
FON1	FOND DU LAC 6
FOR	FORREST (USA 1956)
FOR1	FORT
FOR2	FOREZIA
FOR3	FORRAJERA
FOR4	FORRAJERA DE INVIERNO
FOR5	FORUS
FOR6	FORRAJERA KLEIN
FOR7	FORTYFOLD
FOR8	FORREST (AUSTRALIA 1980)
FOR9	FORTH
FOS	FOSSWAY
FOX	FOX
FRA	FRANCE 21
FRAA	FRAYA
FRAB	FRANKONIA
FRAC	FRANKISH BREWING
FRAD	FRANCETTE
FRAE	FRANKENGOLD
FRAF	FRANCONIE
FRAG	FRANKS HOHENLOHER
FRAH	FRANKS HALLISCHE
FRAI	FRAINSPITZER
FRAJ	FRANSISTA
FRAK	FRANCOUZSKY SARAH
FRAL	FRANCKS PFALZER
FRAM	FRANSAR
FRAN	FRANKA
FRAO	FRANKENTH PFALZER
FRA1	FRANGER
FRA2	FRANCE 2
FRA3	FRANKEN 3
FRA4	FRANKEN 2
FRA5	FRAEG
FRA6	FRANCE-DEA
FRA7	FRANKISH
FRA8	FRANKLIN MALT
FRA9	FRANCK
FRE	FREJA
FRE1	FREEGOLD
FRE2	FRENCH EARLY
FRE3	FRENCH CHEVALIER
FRE4	FRENCH BARLEY
FRE5	FRESIA
FRI	FRISIA
FRI1	FRIMAS
FRI2	FRIEDRICHSWERTHER
FRI3	FRIEDRICHSWERTHER BERG
FRI4	FRIGGA
FRI5	FRIEDRICHS HANNA
FRO	FRONTIER
FRO1	FROEG
FRU	FRUWIRTHS EARLY GOLDTHORPE
FRU1	FRUHE STARMHEIMER
FUC	FUCHS PFALZER
FUE	FUENTES
FUJ	FUJI NIJO
FUJ1	FUJI NIJO (CM)(GR)
FUJ2	FUJI NIJO 2
FUK	FUKUMUGI
FUK1	FUKUKEI 115
FUK2	FUKUI SHIROMUGI

CODE	CULTIVAR NAME
FUK3	FUKUHARA
FUL	FULTON
FUL1	FULHAM
FUL2	FULL AWNED ATLAS
FUL3	FULMAR
FUM	FUMIN HADAKA
FUN	FUNFSTETTENER
FUR	FURSTIN
FUS	FUSTINANA
FUZ	FU ZUJ
F1	F 1
F17	F 17
F48	F 48
GAG	GAGAWAHADAKA 1
GAI	GAINSVILLE 1
GAI1	GAINSVILLE 2
GAI2	GAINES
GAJ	GA-JET
GAL	GALORE
GAL1	GALT
GAL2	GALERAS
GAL3	GALION
GAL4	GALINA
GAL5	GALLEON
GAL6	GALLUS
GAM	GAMBRINUS
GAM1	GAMMA NO 4
GAM2	GAMMEL DANSK
GAN	GANGBORI
GAN1	GANDJA
GAN2	GANZI BLACK SIX-ROWED NAKED BARLEY
GAN3	GANNING NAKED BARLEY
GAN4	GANDAK
GAN5	GANNA LOOSDORFSKAYA
GAR	GARTONS
GARA	GARMAO
GARB	GARINSKII
GARC	GARDEZ PANDSHIR
GAR1	GARFIELD
GAR2	GARTON 986
GAR3	GARTON 68
GAR4	GARTON 5004
GAR5	GARTON 5003
GAR6	GARTON 5002
GAR7	GARTON 5001
GAR8	GARGERSTEN 2
GAR9	GARTONS PLUMAGE 63
GAS	GASELL
GAS1	GASAVJURTOVSKIJ
GAT	GATEWAY
GAT1	GATAMI
GAT2	GATEWAY 63
GAT3	GATINAIS 1
GAT4	GATINAIS 2
GAT5	GATESLEBEN 501
GAT6	GATESLEBEN 511
GAT7	GATISON
GAZ	GAZELLE
GB18	GB 18
GB6	GB 6
GEH	GEHANGIR
GEM	GEM
GEM1	GEMBLOUX 14
GEM2	GEMBLOUX 456
GEM3	GEMBLOUX 458
GEM4	GEMBLOUX 165
GEM5	GEMBLOUX 125
GEM6	GEMBLOUX 185
GEO	GEORGIE
GEO1	GEORGIA 8
GEO2	GEORGINE SCHWEIGERS MOOSBURGER
GEO3	GEORGIA
GEO4	GEORGE
GER	GERDA
GERA	GERMANY 5
GER1	GERKRA

CODE	CULTIVAR NAME
GER2	GERMAN WINTER
GER3	GERTA
GER4	GERBEL
GER5	GERBEL DESPREZ
GER6	GERMAN BREWING
GER7	GERMANIA
GER8	GERLINDE
GER9	GERMAN MR 3
GET	GETUEI
GEU	GEUMYUG
GHA	GHAT 68A
GHE	GHEST
GIA	GIANT WHITE HULL-LESS
GIA1	GIAGINSKII 395
GIA2	GIANT
GIA3	GIANT HOODED BARLEY
GIB	GIBERNAKULJUM 2664
GIL	GILGIT
GIL1	GILETTE
GIM	GIMPEL
GIN	GINAISEKITORI 3
GIN1	GINTARINYAI
GIP	GIPSY
GIS	GISBORNE
GIT	GITTE
GIT1	GITANE
GIZ	GIZEH 134
GIZ1	GIZA 117
GIZ2	GIZA 68
GIZ3	GIZA 118
GIZ4	GIZA 190
GIZ5	GIZA 24
GIZ6	GIZA 121
GKI	GKI INTENZIV
GK5	GK 59
GLA	GLACIER
GLAA	GLACIER PENTLANDFIELD
GLA1	GLABRON
GLA2	GLACIER AC38
GLA3	GLADYSZ
GLA4	GLASNEVIN 3
GLA5	GLATTA
GLA6	GLATTGRANNINGE VON VILMORIN
GLA7	GLASNEVIN 1
GLA8	GLASNEVIN 2
GLA9	GLASNEVIN 5
GLE	GLENN
GLO	GLOSSY FIELD HYBRID
GLO1	GLOSSY BRACHYTIC
GLO2	GLOSSY PIROLINE
GLO3	GLOIRE DU VELAY
GLO4	GLORIA
GOA	GOAT'S HORN
GOB	GOBLIN
GOB1	GOBA 1
GOD	GODIVA
GOD1	GODOLLOI 20
GOD2	GO-DUN-MAN-DA-MAI
GOD3	GODOLLOI 52
GOD4	GODOLLOI 98
GOL	GOLDEN MARIOUT
GOLA	GOLDEN
GOLB	GOLDTHORPE-SPRATT
GOLC	GOLDEN PHEASANT
GOLD	GOLDSPEAR
GOLE	GOLD MORAYSHIRE
GOLF	GOLDEN DROP
GOLG	GOLD MEDAL
GOLH	GOLD(GERMANY 1973)
GOL1	GOLIAT
GOLJ	GOLOZERNYI GIBRID
GOLK	GOLOZERNYI 8
GOLL	GOLDFIELD
GOLM	GOLDMARKER
GOLN	GOLDBURG
GOLO	GOLOZERNYI 1
GOLP	GOLDEN 13
GOLQ	GOLDEN SVALOFS
GOLR	GOLDCREST
GOLS	GOLDA
GOLT	GOLOZERNYI 104
GOLU	GOLF
GOLV	GOLDEN DISCOVERY
GOLW	GOLDEN MELON SA11
GOLX	GOLTON
GOL1	GOLIAD
GOL2	GOLDFOIL
GOL3	GOLD(SWEDEN 1936)
GOL4	GOLDEN ARCHER
GOL5	GOLDEN PROMISE
GOL6	GOLDEN GRAIN
GOL7	GOLDTHORPE
GOL8	GOLDEN QUEEN
GOL9	GOLDEN MELON
GOM	GOMBI
GON	GONDAR
GON1	GONZALI
GON2	GONOS 12
GOO	GOODWILL
GOO1	GOOD DELTA
GOO2	GOOD ZEOCRITON
GOP	GOPAL
GOR	GORDON
GOR1	GORSDORFER
GOR2	GORZOWSKI
GOR3	GORM
GOR4	GORZOWSKY 359
GOR5	GORZOWSKY 362
GOS	GOSPICK
GOS1	GOSESHIKOKU
GOS2	GOSESHIKOKU SAI 1
GOT	GOTTLAND
GOU	GOUD
GOY	GOYANGJAERAE
GRA	GRANDE
GRAA	GRANJA TELATA DE REIXANA 1
GRAB	GRANENA DE CERVERA
GRAC	GRANENA DE LAS GARRIGAS
GRAD	GRANUM
GRAE	GRAVEN
GRAF	GRANAT
GRAG	GRAUER
GRAH	GRACE
GRAI	GRAND PRIX
GRA1	GRANDPA
GRA2	GRADKOVITSKII
GRA3	GRANADA 2
GRA4	GRANADA 1
GRA5	GRANJA DE JEREZ
GRA6	GRANJA LA MERISA 3
GRA7	GRANJA LA MERISA 1
GRA8	GRANJA LA MERISA 2
GRA9	GRANJA TELATA DE REIXANA 2
GRE	GREAT BEARDLESS
GRE1	GREENOUGH
GRE2	GREGOR
GRE3	GREECE
GRE4	GRENADA
GRE5	GREID KARTENS
GRE6	GRENET
GRI	GRIGNON
GRI1	GRIT
GRI2	GRIAR
GRI3	GRINDOR
GRO	GRODKOWICKI
GRO1	GRONINGER
GRO2	GROSSKLAPPIGE
GRU	GRUZANIN
GRU1	GRUSHEVSKII
GRU2	GRUNDMANNS WOTAN
GRY	GRYF
GUA	GUATRACHE ARAUCANA

CODE	CULTIVAR NAME
GUA1	GUARDSMAN
GUB	GUBORI
GUD	GUDAR 1
GUD1	GUDAR 2
GUD2	GUDAR 3
GUD3	GUDDA
GUI	GUILLEMART
GUI1	GUILDEN
GUI2	GUILDER
GUI3	GUIDED REAL
GUI4	GUINNESS 377/1
GUI5	GUINNESS 524/2
GUJ	GUJRAT
GUL	GULL
GUL1	GULLKORN
GUL2	GULD
GUL3	GULA ABED
GUM	GUMIEL DE IZAN
GUN	GUNILLA
GUN1	GUNSAN
GUN2	GUNYOKI
GUN3	GUNHILD
GUP	GUPA
GUS	GUST PLAUTZ 9
GUS1	GUS
GUT	GUTEKORN
GUY	GUY MAYLE
GUY1	GUYMALAYA
GUZ	GUZAK
GVA	GVATI
GWA	GWANCHWI
GWA1	GWANCHWIGI 1
GWA2	GWANGSEONG
GWA3	GWAJAERAE
GWI	GWIGWA
GWI1	GWIGWAJEONBUG 53
GYE	GYEONG 1
GYE1	GYEONG 2
GYE2	GYEONG 3
GYE3	GYEONGNAMDAEMAEG
GYE4	GYEONGYUG
GYE5	GYEONG 39
GYU	GYUNGGWA 1
GYU1	GYULYTSEVER
G10	G 109
G541	G-541
G552	G-552
G65	G-65
HAA	HAARER ISDANIA
HAC	HACHIKUKO
HAD	HADO
HAD1	HADMERSLEBEN ST 7791
HAD2	HADOSTRENG
HAD3	HADMERSLEBENER
HAD4	HADAKA RIKUU 1
HAD5	HADAK
HAD6	HADMERSLEBEN 46813/68
HAF	HAFNIA
HAG	HAGANE MUGI
HAG1	HAGA OOMUGI
HAG2	HAGER 1
HAG3	HAGER 2
HAG4	HAGER 3
HAG5	HAGER 4
HAG6	HAGA
HAH	HAHA
HAI	HAISA 2
HAI1	HAISA
HAI2	HAISA 1
HAI3	HAIDD GARW
HAI4	HAISA NEU
HAI5	HAISA MEHLTAU RESISTENT 1
HAI6	HAITPASS
HAI7	HAIRY GLUMES
HAI8	HAISA 3
HAK	HAKATA 2

CODE	CULTIVAR NAME
HAK1	HAKUMAI 1
HAK2	HAKUSANMUGI
HAK3	HAKUMAIMUGI
HAK4	HAKUDO 6
HAK5	HAKUDO
HAK6	HAKUTOMUGI
HAK7	HAKUDO 2
HAL	HALLETT'S PEDIGREE
HALA	HALIKKO
HALB	HALIKKO 2
HALC	HALCYON
HALD	HALF AWNED ATLAS
HALE	HALLE ST 2162/43
HAL1	HALLETT'S CHEVALLIER
HAL2	HALIKONOHRA
HAL3	HALIKONOHRA 2
HAL4	HALLISCHE NACKTGERSTE
HAL5	HALLE
HAL6	HALIKON 2
HAL7	HALIKON 3
HAL8	HALBIN NIJO
HAL9	HALIKON
HAN	HANNCHEN
HANA	HANGMI
HANB	HANNA LOOSDORF
HANC	HANNA SCRZESZOCOICKI
HAND	HAN RIVER
HANE	HANCHAMONT
HANF	HANNA KLESZEZEWSKI
HANG	HANNA GAMBRINUS
HANH	HANNA OF PROSKOWETZ
HANI	HAN KANG
HANJ	HANNA MORAVSKII
HANK	HANNA OF RIMPAU
HANL	HANNA 9
HANM	HANNAKIAN
HANN	HANNA VON METTE
HANO	HANNA (ENGLISH)
HANP	HANSENS 449
HANQ	HANNA 2
HANR	HANACKY EXPORT
HANS	HANACKY JUBILEJNI
HANT	HANACKY KARGYN
HANU	HANACKY MORAVAN
HANV	HANACKY STAROVESKY
HANW	HANSEN
HANX	HANBO 8
HANY	HANHADAKA
HANZ	HANHADAKA 2
HAN1	HANKOW
HAN2	HANNA
HAN3	HANSEE HULL-LESS
HAN4	HANNA X KARGYN
HAN5	HANNES
HAN6	HANHADAKA 1
HAN7	HANSBERG
HAN8	HANNACKY 2
HAN9	HANOVER
HAO	HANKKIJAN 673
HAOA	HANKKIJAN EERO
HAOB	HANKKIJAN AAPO
HAOC	HANA 7
HAOD	HANA
HAOE	HANKKIJA POKKO
HAOF	HANKKIJA POTRA
HAR	HARBINE
HARA	HARPON
HARB	HARRY
HARC	HARLAN 43
HARD	HARUNAMUGI
HARE	HARUMUGI
HARF	HARRIET
HARG	HARRAR
HARH	HARP
HARI	HARUNA NIJO
HARJ	HARRINGTON

CODE	CULTIVAR NAME.
HARK	HARRACH 61/6
HARL	HARBIN NIJO
HARM	HARIMA 3
HARN	HARIMA
HAR1	HARLAN
HAR2	HARRISON
HAR3	HARKRA
HAR4	HARAMACHI
HAR5	HARLAN 2
HAR6	HARLAND
HAR7	HARPOON
HAR8	HARVEY
HAR9	HARMONY
HAS	HASSAN
HAS1	HASHIARPUR
HAS2	HASOKAWA 2
HAS3	HASHIRIHADAKA
HAS4	HASSO
HAT	HATIF DE GRIGNON
HATA	HATIF DES TOURETTES
HATB	HATSUKAZE
HAT1	HATAKAZE
HAT2	HATVANI
HAT3	HATVANI 1108
HAT4	HATVANI 377
HAT5	HATAKO B
HAT6	HATVANI 308
HAT7	HATIF BONTE
HAT8	HATIF DE MOULIN
HAT9	HATVANI 129
HAU	HAUTERS PFALZER
HAU1	HAUTERS
HAU2	HAUTERS WINTERGERSTE
HAV	HAVILA
HAY	HAYA KISO 2
HAY1	HAYAMI-OMUGI
HAY2	HAYATAMUGI
HAY3	HAYAUREHADAKA
HAY4	HAYADORIHADAKA
HAY5	HAYA OMUGI
HAY6	HAYACHINEMUGI
HAY7	HAYAJIRO HADAKA
HAY8	HAYAKISO
HAY9	HAYAKISO 3
HAZ	HAZERA 212
HAZ1	HAZERA 127/1
HB3	HB 346
HB31	H.B. 34/2/3/33
HB4	HB. 433
HB5	HB. 551/60
HB6	HB. 609/213
HB8	HB 855/467
HB87	HB 878
HD1	HD 16 MEHLTAURESISTENTE
HE	HE
HEB	HEBE
HEC	HECTOR
HEG	HEGE 109/74
HEG1	HEGE 150/74
HEI	HEINES HANNA
HEIA	HEINES HAISA 1
HEIB	HEINES RIESENWINTERGERSTE
HEIC	HEINES RIESEN
HEID	HEINES HAISA
HEIE	HEILS
HEIF	HEINES 4509
HEIG	HEIN 2
HEIH	HEINES AMSEL
HEII	HEINES SWALLOW
HEIJ	HEILS HANNA
HEIK	HEILS FRANKEN
HEIL	HEINES HAHA
HEIM	HEINES 4808
HEIN	HEINES GOLDTHORPE
HEIO	HEILS H1
HEIP	HEINES FRUHE VIERZEILIGE

CODE	CULTIVAR NAME
HEIQ	HEINRICH
HEIR	HEILS HANNA 2
HEIS	HEILS HANNA 4
HEIT	HEINES PIROL
HEIU	HEINES 505
HEIV	HEINES 553
HEIW	HEINES 1203
HEIX	HEITPAS 5
HEIY	HEINES CHEVALLIER
HEIZ	HEIDEMAVIE
HEI1	HEINES HAISA 2
HEI2	HEIMDAL
HEI3	HEILS HANNA 1
HEI4	HEILS HANNA 3
HEI5	HEINE-PERAGIS 5448
HEI6	HEINES 2369
HEI7	HEINES 0553
HEI8	HEINE-PERAGIS 5475
HEI9	HEINES GIANT
HEJ	HEINES STANDARD
HEJ1	HEINES PIROLINE
HEJ2	HEINES LAUDA
HEJ3	HEINES OLYMPIA
HEJ4	HEINES 1670
HEJ5	HEIWA HADAKA
HEL	HELMI
HEL1	HELLAS
HEL2	HELENA
HEL3	HELLWEG
HEL4	HELLA
HEM	HEMMA
HEM1	HEMBAR
HEN	HENRO
HEN1	HEN GYMRO
HEN2	HENNERSDORFER K 64
HEN3	HENRY
HEN4	HEN HAIDD EULLI
HEN5	HENRO 108
HER	HERO
HER1	HERTA
HER2	HEREFORDIA
HER3	HERSE
HER4	HERB
HER5	HERCULES
HER6	HERZO
HER7	HERON
HER8	HERIOT
HER9	HERAT BAZAR
HEX	HEXA
HEX1	HEXAGONALE DE WAGONVILLE
HIA	HIANGSHAN
HIB	HIBERNACULUM 2664
HIB1	HIBERNACULUM
HID	HIDALGO
HIE	HIETPAS 3
HIG	HIGHLAND CHIEF
HIG1	HIGHLAND SCOTCH
HIJ	HIJKEMA 1148
HIL	HILAND
HIL1	HILLMARSH
HIL2	HILTE
HIL3	HILLSA
HIL4	HILDE
HIL5	HILDEBRANDS HANNA
HIM	HIMALAYA
HIM1	HIMALAYA HULL-LESS
HIM2	HIMMELS
HIM3	HIMEKEI 605
HIN	HINODEHADAKA
HIP	HIPROLY
HIP1	HIPROLY MUTANT 1508
HIS	HISPOINT
HIS1	HISEIN
HIZ	HIZAHACHI
HJA	HJA34003
HJA1	HJA B7990

CODE	CULTIVAR NAME
HJA2	HJA B7990 (XR)
HL	HL 2725
HOB	HOBE
HOD	HODONINSKY KVAR
HOD1	HODGE
HOD2	HODONINSKY
HOE	HOENGKANG
HOF	HOFBRAU
HOG	HOG BARLEY
HOH	HOHENFINOWER
HOH1	HOHENTHURN ST 4595 51
HOH2	HOHENHAUER 2-7
HOH3	HOHENHAUER 4-2
HOH4	HOHENLOHER
HOH5	HOHENAUER VOLLKORN
HOH6	HOHENTURM 12/46
HOH7	HOHENTURM 12/51
HOK	HOKUDAI 1
HOKA	HOKURIKU-KAWA 2
HOKB	HOKURIKU-KAWA 7
HOKC	HOKURIKU-KAWA 10
HOKD	HOKURIKU-KAWA 12
HOKE	HOKURIKU-KAWA 13
HOKF	HOKURIKU-KAWA 14
HOKG	HOKURIKU-KAWA 15
HOKH	HOKURIKU-KAWA 9
HOKI	HOKURIKU 3
HOKJ	HOKURIKU 1
HOKK	HOKURIKU-HADAKA 4
HOKL	HOKURIKU HADAKA 13
HOKM	HOKUDAI 4
HOKN	HOKUDAI 2
HOKO	HOKUTAINIZO 1
HOKP	HOKKAIDO CHEVALIER
HOKQ	HOKUTO 3
HOK1	HOKUTO HADAKA
HOK2	HOKUTO 1
HOK3	HOKU
HOK5	HOKURIKU-KAWA 11
HOK6	HOKURIKU 2
HOK7	HOKURIKU-HADAKA 1
HOK8	HOKURIKU-KAWA 16
HOK9	HOKURIKU-KAWA 8
HOL	HOLSTON
HOL1	HOLLAND
HOL2	HOLLANDISCHE BIGGO
HOL3	HOLZAPFEL
HOL4	HOLT
HOL5	HOLLEBY
HOM	HOMI
HON	HONGSEONG
HON1	HONGSEONGJAERAE
HON2	HONGSO 5
HON3	HONEN
HON4	HONEN 6
HON5	HONEN 7
HOO	HOODED 6
HOOA	HOODED ATLAS
HOOB	HOODS ON LEMMA
HOO1	HOODED 4
HOO2	HOODED 16
HOO3	HOODED SPRING
HOO4	HOODED HULLESS BARLEY
HOO5	HOODED 26
HOO6	HOODLESS BEARDLESS
HOO7	HOOVER HULL-LESS
HOO8	HOOD
HOO9	HOODED
HOP	HOPPEL
HOP1	HOP
HOP2	HOPEH
HOR	HORSFORD
HORA	HORA
HORB	HORICKY
HORC	HORNA
HORD	HORNET

CODE	CULTIVAR NAME
HORE	HORPACSI 320
HORF	HORPACSI 324
HORG	HORPACSI 57
HORH	HORDEUM MURINUM
HORI	HORIN
HORJ	HORNI
HORK	HORAL
HOR1	HORN
HOR2	HORNISSE
HOR3	HORDEUM LAEVIGATUM
HOR4	HORDZHAU
HOR5	HORDZHAU 18
HOR6	HORTA DE SAN JUAN
HOR7	HORPACSI
HOR8	HORSFORD BEARDLESS
HOR9	HORPACSI KETSOROS
HOS	HOSO MUGI
HOS1	HOSOKAWA NISHIKI
HOS2	HOSHIMASARI
HOS3	HOSOGARA 1
HOS4	HOSOGARA 2
HOS5	HOSOMUGI 3
HOS6	HOSOGARA
HOS7	HOSOMUGI 1
HOS8	HOSOMUGI 2
HOS9	HOSOMUGI 3
HOT	HOTEIMUGI
HOY	HOYO EPUYEN
HOZ	HOZOROI
HOZ1	HOZOROI IBARAKI 1
HP4	HP 4388
HP5	HP 5466
HRO	H. ROGGORS
HSI	HSIN AN TIEN 1
HUB	HUBITZER
HUC	HUCOTO 2
HUD	HUDSON
HUD1	HUDSON (XR)
HUG	HUGA
HUL	HULLESS
HUL1	HULLESS WHITE
HUL2	HULLESS BETZES
HUM	HUMUUMUGI
HUM1	HUME'S ARCHER
HUN	HUNGARIAN
HUN1	HUNTER
HUN2	HUNGARIAN HULL-LESS
HUR	HURON
HUR1	HURST
HUS	HUSKY
HUS1	HUSKLESS
HUW	HUWAN
HUZ	HUZAR
HYA	HYANGCHEONGWA
HYA1	HYANGCHEONGWA 1
HYA2	HYANGMAEG
HYB	HYBERNUM
HYB1	HYBRID
HYB2	HYBRID SMOOTH AWN
HYB3	HYBRID 212
HYD	HYDRA
HYL	HYLKEMA 1148
HYL1	HYLKEMA
HYM	HYMANC 187
HYO	HYOGO HADAKA
HYO1	HYOKO GOLD 13
HYP	HYPANA
HYP1	HYPROLI
H055	H. 0553
H150	H 150
H204	H204
H21	H. 2149
H248	H 248-69
H42	H. 42
H424	H. 4242
H48	H. 4804

CODE	CULTIVAR NAME
H480	H. 4808
H50	H. 506
IAN	IANESKII
IAN1	IANTAR
IB	IB 2
IBA	IBARAGI NO 2
IBA1	IBAN
IBI	IBIZA
IB1	IB123
IB2	IB226
IB20	IB 205
IB3	IB 24
IB4	IB 58
IB5	IB 75
IB6	IB64
ICA	ICAR 143
ICA1	ICA 324
ICA2	ICA 339
ICA3	ICA 522
ICA4	ICA 567
ICA5	ICA 578
ICA6	ICA 592
ICA7	ICAR 5
ICE	ICELAND 1
ICE1	ICELAND 27
ICH	ICHIWASE
ICH1	ICHINEMUGI
ICH2	ICHINEMUGI 2
IDA	IDAHO CLUB
IDA1	IDA
IDE	IDEAL HULL-LESS
IDE1	IDEAL
IDO	IDOLA
IGL	IGLESUELA DEL CID
IGR	IGRI
ILE	ILE DE RE
ILI	ILINETSKII 43
ILI1	ILINETSKII 5
ILI2	ILINETSKI
ILI3	ILINETSKI 46
ILL	ILL DE RE
ILL1	ILLMICI 5
ILL2	ILLMICI 24
ILL3	ILLIA
IMB	IMBER
IME	IMER
IMI	IMILCHIL
IMM	IMMENDORFER CAROLUS
IMM1	IMMENDORFER CARDINS
IMP	IMPROVED ARIVAT
IMPA	IMPROVED BOZU
IMPB	IMPERIAL STIEGLERS
IMPC	IMPACT
IMPD	IMPROVED VOLLA
IMP1	IMPALA
IMP2	IMPROVED GOLDEN MELON
IMP3	IMPROVED CHEYNE
IMP4	IMPERIAL
IMP5	IMPROVED MILDEW RESISTANT PUMPER
IMP6	IMPROVED MANCHURIA
IMP7	IMPROVED CHEVALIER
IMP8	IMPROVED THANET
IMP9	IMPROVED SHIROHADAKA
IND	INDIANA WINTER
IND1	INDIAN DWARF
IND2	INDIANA BEARDLESS WINTER
IND3	INDO OMUGI
IND4	INDIA
IND5	INDIRA
INE	INERME
ING	INGRID
ING1	INGOT
ING2	INGRID 2
ING3	INGRID M
ING4	INGA
INI	INIS

CODE	CULTIVAR NAME
INJ	INJEONGWA 1
INJ1	INJEONHADAKA 1
INK	INKA
INR	INRA 10.66
INR1	INRA CP
INT	INTENSIV 2
INT1	INTENSIV 1
INV	INVINCIBLE
IOA	IOA DO PALA
IRA	IRANIA
IRA1	IRAN 3
IRD	IRDAK 1
IRD1	IRDAK 2
IRE	IREDELL
IRE1	IRENE
IRI	IRISH ARCHER 1
IRI1	IRISH GOLDTHORPE
IRI2	IRIS
IRI3	IRISH BINDER
IRI4	IRISAKA
IRL	IRLBACHER
IRM	IRMA
IS	I.S.
ISA	ISARIA
ISA1	ISARIA NOVA
ISA2	ISABELLA
ISD	ISDANIA
ISD1	ISDA
ISE	ISENOUCHI
ISE1	ISEJIRO
ISE2	ISE HADAKA
ISK	ISKRA
ISP	ISPASSKII
ISR	ISRAELI 46
ISR1	ISRAELI 264
ISR3	ISRAELI 49
ISR4	ISRAELI 121
IST	ISTHMOS
IST1	ISTRINSKII
ITA	ITALIAN
ITZ	ITZER
IUJ	IUJNJI
IVA	IVANHOE
IVO	IVOLGINSKIJ 94
IWA	IWATE MANCHURIA NO 2
IWAA	IWATE SEKITORI 1
IWA1	IWATA SANTOKU
IWA2	IWATE
IWA3	IWATE NO 1
IWA4	IWATE HOSOMUGI NO 1
IWA5	IWATE HOZOROI 1
IWA6	IWAKEI 73
IWA7	IWATE OMUGI 3
IWA8	IWATE MENSURY 2
IWA9	IWATE OMUGI 1
IW1	I.W.112/B-B
IYG	IYGEVA
IYG1	IYGEVA 1104
IZH	IZHEMSKII
IZU	IZUMIWASEHADAKA
I25	I 25
JAB	JABLE 4 E
JAB1	JABLE 12 E
JAC	JACKSON 1
JAC1	JACKSON
JAD	JADAR
JAD1	JADAR 2
JAD2	JADERSKIJ
JAE	JAERAEBAEG
JAE1	JAERAECHEONG
JAE2	JAERAEJANGMANG
JAE3	JAERAEJONG
JAE4	JAECHUN
JAE5	JAECHEON 5
JAE6	JAELAEMACK
JAI	JAICHEON 1

CODE	CULTIVAR NAME
JAI1	JAIDOR
JAJ	JAJENMACK 3
JAM	JAMIMACK
JAM1	JAMES
JAM2	JAMAKAWA WASE
JAN	JANETZKI
JAN1	JANTAR
JAN2	JANES
JAN3	JANGMANG
JAN4	JANGMANGYUKGAK
JAN5	JANOWICKI
JAN6	JANTARNYJ
JAN7	JANJUBAEKWA
JAP	JAPANESE 434
JAP1	JAPAN 1
JAP2	JAPANESE 419
JAP4	JAPANESE 435
JAP5	JAPANESE 438
JAP6	JAPANESE 439
JAP7	JAPANESE 451
JAP8	JAPAN 456
JAR	JAREK
JAR1	JARLE
JAR2	JARBYGG
JAR3	JARVIS
JAS	JASPIS
JAS1	JASAEKMACK
JAS2	JASSENER LANDGERSTE
JAY	JAYDEE
JAY1	JAYBEL
JCP	JCP
JEA	JEANS
JEC	JECHEON 1
JEC1	JECHEON 5
JEF	JEFFERSON
JEL	JEL 2
JEL1	JEL 3
JEM	JEMEN
JEO	JEONNAMDAEMAEGSIN 4
JEOA	JEONNAMDAEMACK 24
JEOB	JEONNAMDAEMACK 41
JEOC	JEONBUKJAELAE
JEOD	JEONNAMDAEMACK 15
JEOE	JEONNAMDAEMACK 3
JEO1	JEONNAMJALAE
JEO2	JEONBUKDAEMACKSIN
JEO3	JEONDAESIN 6
JEO4	JEONDAESIN 44
JEO5	JEONDAESIN 4
JEO6	JEONNAMDAEMACKSHIN 20
JEO7	JEONNAMDAEMACK 10
JEO8	JEONNAMDAEMACK 19
JEO9	JEONNAMDAEMACK 20
JER	JERUSALEM 2
JER1	JERUSALEM
JES	JESUITAS ONA 1
JES1	JESUITAS ONA 2
JET	JET
JEW	JEWEL
JIJ	JIJA
JIK	JIKISHIRAZU
JIL	JILOCA 2
JIL1	JILOCA 1
JIL2	JILOCA 3
JIL3	JILOCA 4
JIM	JIMMA
JIN	JINANDONG
JO	JO
JOE	JOEGLUME
JOG	JOGEVA 350
JOG1	JOGANGBORI
JOH	JOHANNA (GERMAN FED REP)
JOH1	JOHNSTON
JOH2	JOHANNA (FRANCE 1908)
JON	JON
JON1	JONNA

CODE	CULTIVAR NAME
JOO	JOOKHA
JOR2	JORDAN 2
JOS	JOSANGMINONG
JOS1	JO-SEL
JOT	JOTUN
JOU	JOUTSENKAULA
JOV	JOVIS
JOY	JOYOTI
JUB	JUBILEE
JUB1	JUBILEJNYJ
JUD	JUDINA
JUG	JUGHA
JUK	JUKLIM
JUK1	JUKOWICKI TRIUMF
JUL	JULIACA
JUL1	JULIA
JUL2	JULY
JUL3	JULIANE
JUL4	JULIANA
JUL5	JULI
JUM	JUMBO
JUN	JUNIN
JUN1	JUNGANGMAEG
JUN2	JUNGBORI 1
JUN3	JUNGBORI 5
JUN4	JUNGBORI
JUP	JUPITER
JUR	JUROMENHA
JUS	JUSBORNE
JUT	JUTTA
JUV	JUVEL
JYG	JYGEVA 1104
JYO	JYOTI
J20	J 20
KAB	KABUL
KAB1	KABEL
KAD	KADA
KAF	KAFFA 2
KAG	KAGAWA
KAG1	KAGOSHIMA KOBAI
KAG2	KAGOSHIMA HADAKA
KAG3	KAGOSHIMA BENIUME
KAG4	KAGAWA 5
KAG5	KAGAWAHADAKA
KAG6	KAGAWA HADAKA 1
KAG7	KAGEKIYO 11
KAG8	KAGEKIYO
KAG9	KAGOSHIMA KAMAORE 1
KAI	KAIRYO
KAIA	KAIKEI 8
KAIB	KAIKEI 34
KAIC	KAIKEI 30
KAID	KAIKEI 88
KAIE	KAIKEI 24
KAIF	KAIKEI 22
KAIG	KAIKEI 2
KAIH	KAIKEI 39
KAII	KAIKEI 44
KAIJ	KAIMON HADAKA
KAIK	KAIRYO HACHIKOKU
KAIL	KAIRYO HADAKA 2
KAIM	KAIKEI 21
KAIN	KAIRYO NEJIREYAKKO
KAIO	KAIRYO MIKURIYA 1
KAIP	KAIRYO OGARA
KAIQ	KAIRYO SHIMBARA HADAKA
KAIR	KAIRYO SUZUMEYAKKO
KAIS	KAIRYO HONEN
KAI1	KAIRYO HIZAHACHI
KAI2	KAIRYO BOZU
KAI3	KAIRYOU HADAKA
KAI4	KAISER
KAI5	KAIRO BOZUMUGI
KAI6	KAIKEI 84
KAI7	KAIKEI 43
KAI8	KAISARIE

CODE	CULTIVAR NAME
KAI9	KAIRYO NIJO
KAJ	KAJSA
KAK	KAKAPO
KAK1	KAKEI 4
KAL	KALINA
KAL1	KALEREDETER
KAL2	KALIMPONG 1126
KAL3	KALKREUTER
KAL4	KALKREUTHER UNIVERSAL
KAL5	KALINE
KAL6	KALA
KAL7	KALUJA
KAM	KAMIAK
KAM1	KAMAORE
KAM2	KAMAMUGI
KAM3	KAMAKURA
KAN	KANSAS COMMON SIX-ROWED
KANA	KANTOKAWA 49
KANB	KANTOKAWA 11
KANC	KANESHIRO
KAND	KANEKO GOLD
KANE	KANTO NIJO 12
KANF	KANTO NIJO 2
KANG	KANTOKAWA 42
KANH	KANGDING BLACK NAKED BARLEY
KANI	KANGDING WHITE NAKED BARLEY
KANJ	KANEKO GOLD EBISU
KANK	KANTO NAKATEGO
KANL	KANPUR 24
KANM	KANTOKAWA
KANN	KANTOKAWA 7
KANO	KANIERE
KANP	KANTO BANSEI GOLD
KANQ	KANDEBU
KANR	KANTO NAKATE GOLD
KANS	KANAGAWA
KAN1	KANTOU GOLDEN MELON
KAN2	KANGRA VALLEY
KAN3	KANTOKAWA 45
KAN4	KANTOKAWA 43
KAN5	KANBY
KAN6	KANTO NIJO 3
KAN7	KANGBORI
KAN8	KANTOKAWA 27
KAN9	KANTOKAWA 48
KAR	KARGYN
KARA	KARCAGI 39
KARB	KARCAGI 258
KARC	KARUGANDINSKII
KARD	KARSHINSKII
KARE	KARABALYKSKII
KARF	KARAT
KARG	KARAN 18
KARH	KARAN 19
KARI	KARA MARUMI 1
KARJ	KARLS 2
KAR1	KARRI
KAR2	KARNTNER
KAR3	KARNTNER EARLY
KAR4	KARAPCHOVSKII
KAR5	KARL
KAR6	KARUBORI
KAR7	KARRU
KAR8	KARPATY
KAR9	KARIN
KAS	KASHGAR HULL-LESS
KAS1	KASHMIR
KAS2	KASHIMAMUGI
KAS3	KASHTITSKII
KAS4	KASHORI
KAT	KATY
KAT1	KATTERBACHER
KAT2	KATJA
KAT3	KATORIMUGI
KAT4	KATANS
KAT5	KATANO

CODE	CULTIVAR NAME
KAU	KAUFBEURENER VIERZEILIGE
KAV	KAVKAZSKY NAHY
KAW	KAWAHONAMI
KAW1	KAWAZAIGOKU
KAW2	KAWAN
KAW3	KAWA 125
KAZ	KAZANSKII 6/4
KAZ1	KAZIMIRSKI
KEA	KEARNEY
KED	KEDAKA ROKKAKU
KEG	KEG
KEH	KEHRWIEDER 2
KEN	KENBAR
KENA	KENTUCKY SMOOTH-AWNED
KENB	KENT
KENC	KENIA RESEARCH
KEND	KENYOSHI NO 1
KENE	KENIT SPRING
KENF	KENIA 1
KENG	KENYOSHI 3
KENH	KENIA 2
KEN1	KENTUCKY 1
KEN2	KENTUCKY 5
KEN3	KENTUCKY 2
KEN4	KENTUCKY 1 (VIRGINIA STRAIN)
KEN5	KENATE
KEN6	KENIA
KEN7	KENIA 17/8
KEN8	KENTUCKY 8
KEN9	KENIA KORN
KEO	KEOWEE
KEP	KEPPORI
KER	KERVANA
KER1	KERR
KES	KESAJIRO
KET	KETSOROS BETA
KET1	KETCH
KET3	KETAKA ROKKAKU
KEY	KEYSTONE
KEZ	KEZEN-HADAKA
KHA	KHAYYAM
KHAA	KHARPACHI 57
KHAB	KHARKOVSKII 410
KHAC	KHARKOVSKII 36
KHAD	KHARKOVSKII 70
KHA1	KHAMPADZONG 983
KHA2	KHARKOVSKII 306
KHA3	KHASKI
KHA4	KHASAVYURTOVSKII
KHA5	KHARKOVSKII 64
KHA6	KHARSILA
KHA7	KHARKOVSKII
KHA8	KHARKOVSKII 8
KHA9	KHARKOVSKII 60
KHE	KHEIMDAL
KHE1	KHERSON
KHO	KHOLT SAKHALIN
KHO1	KHORDZHOU
KHO2	KHORDZHOU 18
KIA	KIANSU
KID	KIDO
KIE	KIEBITZ
KIK	KIKAIHADAKA
KIK1	KIKO B
KIL	KILTA
KIM	KIMBERLY
KIM1	KIMUGI
KIM2	KIMAK
KIN	KINDRED
KINA	KINAI GORU
KINB	KINGYOKU
KINC	KINOME
KIND	KINAI KANTO
KINE	KINROKU
KINF	KINAI 42
KING	KINTBURY

CODE	CULTIVAR NAME
KINH	KINAI 5
KINI	KINAI SEKITORI 3
KINJ	KING TALAL DAM
KINK	KINDOKU 2
KINL	KINKI SHU
KINM	KINTOKI
KINN	KINAI 1
KINO	KINAI 2
KINP	KINAI 3
KINQ	KINAI 4
KINR	KINAI 6
KINS	KINAI 7
KINT	KINAI 8
KINU	KINAI 27
KINV	KINAI 32
KINW	KINAI 33
KINX	KINAI 34
KINY	KINAI 35
KINZ	KINAI 36
KIN1	KINDRED L
KIN2	KINVER CHEVALLIER
KIN3	KINVER
KIN4	KINKORA
KIN5	KINAI SEKITORI 2
KIN6	KINELSKII 5
KIN7	KING CHEVALLIER
KIN8	KINEL 5
KIN9	KINELSKII 6
KIO	KINAI 37
KIOA	KINAI 38
KIOB	KINAI 39
KIOC	KINAI 40
KIOD	KINAI 41
KIOE	KINAI 43
KIOF	KINAI 46
KIOG	KINAI 62
KIOH	KINAI 21
KIOI	KINAI SEKITORI 1
KIO1	KINAI KYOSHINKAI 2
KIO2	KINAI NITA HADAKA
KIO3	KINOME OMUGI
KIO4	KINUKAWA
KIO5	KINUKAWA 22
KIP	KIPPER
KIP1	KIPO
KIR	KIRSCHES WINTERGERSTE
KIRA	KIRGIZSKII 26
KIRB	KIRIN CHOKU 2
KIR1	KIRSCHES
KIR2	KIRSCHES ZWEIZEILIGE
KIR3	KIRSCHES 2R
KIR4	KIRKLAND BEARDLESS
KIR5	KIRGIZSKII 247
KIR6	KIRBY
KIR7	KIRIN CHOKU 1
KIR8	KIRUNA
KIR9	KIRMSE 5
KIT	KITCHIN
KIT1	KITZING
KIT2	KITZING 2 ROWED
KIT3	KITZING 4 ROWED
KIT4	KITE
KIT5	KITSUKIWASE
KIT6	KITAKANTOKAWA 3
KIT7	KITTA
KLA	KLAGES
KLA1	KLARA
KLA2	KLAXTON
KLE	KLEIN BH 7500
KLE1	KLEINE WARTEBRUCH
KLE2	KLEPININSKII 182
KLE3	KLEINWANZLEBENER 14705
KLE5	KLES
KLE6	KLESZCZEWSKI HANNA
KLE7	KLEINWANZLEBENER
KLE8	KLEPININSKII

CODE	CULTIVAR NAME
KLO	KLONDIKE
KLO1	KLOSTERKAMMER
KME	KMEN 108 1252
KME1	KMEN 1192
KM1	KM 1192
KM9	KM 947
KN	KN 15
KNE	KNEIFEL
KNE1	KNEIB
KNE2	KNEIFELS VOLLKORNGERSTE
KNO	KNOOK
KNO1	KNOB
KN1	KN 16
KN2	KN 17
KN3	KN 26
KN4	KN 27
KN5	KN 28
KN6	KN 29
KN7	KN 30
KO	KO-1-18
KOA	KO A
KOB	KOBAI
KOB1	KOBINKATAGI 1
KOB2	KOBIN
KOB3	KOBDAICUM
KOB4	KOBAI 10
KOB5	KOBINKATAGI 4
KOB6	KOBAI 14
KOB7	KOBAI SAI 1
KOB8	KOBINKATAGI
KOB9	KOBINKATAGI 36
KOC	KOCHS NAKED WINTER BARLEY
KOC1	KOCHERPERLE
KOC2	KOCHI WASE
KOC3	KO C
KOD	KODRU
KOD1	KODAMA 13
KOE	KOE
KOG	KOGANGMACK
KOG1	KOGENMUGI
KOG2	KOGENDO
KOI	KOISHO NANDO
KOK	KOKUBI
KOL	KOLUMBA
KOL1	KOLKHIKIM
KOL2	KOLKHOZNYI
KOL3	KOLKHOZNYI 7
KOL4	KOLKHIKUM 10/30
KOM	KOME HADAKA
KOM1	KOMBAINER
KOM2	KOMPOLTI KORAI
KOM3	KOMBAR
KOM4	KOMBYNE
KOM5	KOMPOLTI HANA
KOM6	KOMAJNER
KOM7	KOMPOLTI 2
KON	KONGMAI 4
KONA	KONOSU 19
KONB	KONOSU 22
KONC	KONOSU 25
KOND	KONOSU 32
KONE	KONOSU 50
KONF	KONOSU 51
KONG	KONOSU 53
KONH	KONOSU 54
KONI	KONOSU 57
KONJ	KONOSU 58
KONK	KONOSU 59
KONL	KONOSU 60
KONM	KONOSU 62
KONN	KONOSU 4
KONO	KONOSU 23
KON1	KONOSU 30
KON2	KONIA
KON3	KONOSU 55
KON4	KONOSU 1

CODE	CULTIVAR NAME
KON5	KONOSU 6
KON6	KONOSU 10
KON7	KONOSU 12
KON8	KONOSU 14
KON9	KONOSU 17
KOP	KOPECK
KOR	KORONA
KOR1	KORSBYG
KOR2	KORMOVOI
KOR3	KOROL
KOR4	KORU
KOR5	KORAN
KOR6	KORN 926
KOR7	KORMOVOI 129
KOR8	KORAL
KOS	KOSABA
KOS1	KOSTEK 2
KOS2	KOSTROMA
KOS3	KOSODONGPA
KOS4	KOSO
KOS5	KOSMOS
KOS6	KOSTLINS PROBSTEIR
KOS7	KOSTEK
KOS8	KOSHIMAKI
KOU	KOU A
KOU1	KOUBAI
KOY	KOYALHISATR
KOY1	KOYO
KOZ	KOZAN
KQO	KQOE
KRA	KRASNOYARSK
KRAA	KRASNODARSKII 129
KRAB	KRASNODARSKII 16
KRAC	KRASNODARSKII 128
KRAD	KRASNODARSKII 206
KRAE	KRASNODARSKII 484
KRAF	KRAAI L200
KRAG	KRAAI L435
KRAH	KRAAI L747
KRAI	KRAAI L843
KRAJ	KRASNODARSKII 1693
KRAK	KRASNODARSKII 54
KRAL	KRASNODARSKII 121
KRAM	KRASNODARSKII 10/75
KRAN	KRASNODARSKII 35 (CM)
KRAO	KRASNOUFIMSKII 95
KRAP	KRASNODARSKII 515/5
KRA1	KRAFTS RIED
KRA2	KRASNOYARSKII 1
KRA3	KRASNODARSKII 2929
KRA4	KRASNODARSKII 1918
KRA5	KRASNODARSKII 35
KRA6	KRASNYI DAR
KRA7	KRASNODARSKII 1920
KRA8	KRASNYI DAR 2494
KRA9	KRASNODARSKII
KRI	KRISTINA
KRI1	KRIM
KRI2	KRIVENER 2
KRI3	KRISTAL
KRI4	KRIM MESNI
KRI5	KRIJEVI
KRO	KRON
KRO1	KROGSTADT
KRO2	KROPH
KRO3	KROON
KRU	KRUGLIK 21
KRU1	KRUGUE 21
KRU2	KRUGLIK 188/49
KRU3	KRUKANICKY HORSKY
KRU4	KRUGLIK 31
KRY	KRYMSKII 17
KRY1	KRYMSKII 301
KRY2	KRYMSKII 65
KRY3	KRYSTAL
KR4	KR. 499-71

CODE	CULTIVAR NAME
KUB	KUBANETS
KUB1	KUBANSKII 27
KUI	KUI-TSU-AN
KUJ	KUJAWIAK
KUJ1	KUJAWSKI
KUK	KUKUCK
KUL	KULISCH
KUL1	KULU
KUL2	KULTA
KUM	KUMMA KULLA
KUM1	KUMOGATASIRAZU
KUM2	KUMOI
KUM3	KUMASHIMA
KUM4	KUMATORI 2
KUM5	KUMBI
KUN	KUNSHAN
KUN1	KUNGS
KUR	KUROMUGI 148
KUR1	KURDIYA
KUR2	KURAIWANTSU REBEN
KUR3	KURA
KUR4	KURPHAK
KUR5	KUROSHIO HADAKA
KUS	KUSHK
KUS1	KUSHNAT
KUS2	KUSTANG
KUS3	KUSEJU
KUS4	KUSHTEKI
KUT	KUTAIS
KVA	KVASICKY
KVL	KVL 468
KVL1	KVL 191
KWA	KWAN
KWAA	KWANGKYE 1
KWAB	KWANGKYE 2
KWA1	KWASSITZER HANNA
KWA2	KWASSITZER
KWA3	KWANCHOIGI
KWA4	KWANGSEONG
KWA5	KWANDONGPI 3
KWA6	KWANCHIGIOK
KWA7	KWANCHOI
KWA8	KWANCHIJEON 2
KWA9	KWANDONGPI 43
KYM	KYM
KYO	KYONG 2
KYOA	KYONG 32
KYOB	KYOBAI 33
KYOC	KYOBAI 20
KYOD	KYONG 23
KYOE	KYONG 27
KYOF	KYONG 30
KYOG	KYONG 44
KYOH	KYONG 45
KYOI	KYOBAI 16
KYOJ	KYOBAI 34
KYOK	KYOBAI 35
KYOL	KYONG 39
KYON	KYOTO NAKATE
KYOO	KYOSHINKAI
KYOP	KYOSHINKAI 2
KYOQ	KYOTO BAITORI 1
KYOR	KYOTO KOKUBI 1
KYOS	KYOTO OKUTE
KYOT	KYOTO WASE GOLD 1
KYOU	KYOTO YANE HADAKA 1
KYO1	KYONG 6
KYO2	KYOBAI 32
KYO3	KYONG 1
KYO4	KYOBAI 12
KYO5	KYOBAI 18
KYO6	KYONG 20
KYO7	KYOBAI 19
KYO8	KYONG 3
KYO9	KYONG 28
KYU	KYUNGNAMDAEMACK 7

CODE	CULTIVAR NAME
KYU1	KYUKEI 1006
KYU2	KYUKEI 1009
KYU3	KYUSHOBO
KYU4	KYUSHOBO 49
KYU5	KYUSHU
KYU6	KYUSHU 19
KYU7	KYUSHU HADAKA 3
K12	K.12
K13	K.13
K14	K 14
K18	K18
K19	K19
K23	K 23
K24	K 24
K25	K251
K25A	K 25A
K3	K-3
K40	K 40
K41	K 41
K43	K 43
K45	K 45
K5	K 5
K57	K572/6
K57A	K572/8
K57B	K572/10
K57C	K572/11
K57D	K572/13
K57E	K572/27
K57F	K572-1-64/8
K57G	K572-3-64/10
K69	K69
K70	K.70
K71	K71
K72	K 72
L	L 1000
LAA	LAA
LAA1	LA ALMUNIA
LAC	LACOMBE
LAD	LADA
LAE	LA ESTANZUELA
LAF	LAFITE
LAG	LAGIEWNICKI
LAG1	LAGO
LAH	LAHOUL
LAI	LAIYA
LAK	LAKELAND
LAL	LALIBELLA
LAM	LA MESITA
LAM1	LAMI
LAM2	LAMBERT DANN 1
LAM3	LAMI SEJET
LAM4	LA MUELA
LAM5	LAMAN
LAN	LANDRACE-NORTH AFRICA
LANA	LANDRACE-ASIA MINOR
LANB	LANSDALE
LANC	LANDRACE-KOREA
LAND	LANDRACE-JAPAN
LANE	LANDRACE-KOREA
LANF	LANDRACE-KOREA
LANG	LANDRACE-KOREA
LANH	LANDRACE-KOREA
LANI	LANDRACE-KOREA
LANJ	LANDRACE-KOREA
LANK	LANDRACE-JAPAN
LANL	LANDRACE-KOREA
LANM	LANDRACE-KOREA
LANN	LANDRACE-KOREA
LANO	LANDRACE-KOREA
LANP	LANDRACE-KOREA
LANQ	LANDRACE-KOREA
LANR	LANDRACE-JAPAN
LANS	LANDRACE-NORTHERN USSR
LANT	LANDRACE-NORTHERN USSR
LANU	LANDRACE-NORTH AFRICA
LANV	LANDRACE-BAVARIA
LANW	LANIGER
LANX	LAN-CHZOU-DA-MAI
LANY	LANDRACE-FRANCE
LANZ	LANDRACE-POLAND
LAN1	LANDRACE-LOWER EGYPT
LAN2	LANDRACE-CENTRAL FINLAND
LAN3	LANDRACE-FINLAND
LAN4	LANDRACE-MANCHURIA
LAN5	LANDRACE-LOWER BAVARIA
LAN6	LANDRACE-BOHEMIA
LAN7	LANDRACE-CENTRAL EUROPE
LAN8	LANDRACE-FRANCE
LAN9	LANDRACE-NIEDERBAYER
LAO	LANDRACE-USSR
LAOA	LANDRACE-LAPONIA
LAOB	LANDRACE-WHIR EN PLAIN (FRANCE)
LAOC	LANDRACE-ISLE OF RE
LAOD	LANDRACE-LOIRE (FRANCE)
LAOE	LANDRACE-ARDENNES (FRANCE)
LAOF	LANDRACE-MARKISCHER
LAOG	LANDRACG-SPAIN
LAOH	LANDRACE-SPAIN
LAOI	LANDRACE-GERMANY
LAOJ	LANDRACE-FRANCE (KWASSITZ)
LAOK	LANDRACE-GERMANY
LAOL	LANDRACE AFRICA
LAOM	LANDRACE-DUTCH
LAO1	LANDRACE-USSR
LAO2	LANDRACE
LAO3	LANDRACE-SWEDEN
LAO4	LANDRACE-MORAVIA
LAO5	LANDRACE-GERMANY
LAO6	LANDRACE-TYROLIA
LAO7	LANDRACE-TYROLIA
LAO8	LANDRACE-TYROLIA
LAO9	LANDRACE-CENTRAL EUROPE
LAP	LAPINOHRA
LAP1	LAPINOHRA 2
LAP2	LAPLAND
LAP3	LA PREVISION 19
LAP4	LA PLATA CAFPTA F.A.
LAP5	LAPPI
LAP6	LA PLATTA
LAP7	LAPPI 2
LAP8	LA PLATTA 2
LAR	LARKER
LAR1	LARGE SKINNED
LAR2	LA ROCHE
LAR3	LARGAS DE CIUDAD REAL
LAR4	LARGAS DE SANTAGUDA 2
LAR5	LARGAS DE SANTAGUDA 1
LAR6	LARA
LAR7	LARIOUT
LAS	LASCHK TIB.
LAS1	LAS ALMUNIAS 1
LAS2	LAS ALMUNIAS 2
LAS3	LAS PEDROSAS
LAT	LATACUNGA
LAT1	LATCHTALER
LAT2	LATIFIYAH
LAT3	LATERNE
LAU	LAURIER
LAU1	LAUFEN
LAU2	LAURA
LAU3	LAUDA
LAV	LAVA UNIVERSAL
LAV1	LA VENTOSA
LAW	LAWTON
LAZ	LAZANY 5
LAZ1	LAZAGURRIA
LBA	'L' BARLEY
LBW	L.B.W. 335
LBW1	L B W 1710/12
LEA	LEADER
LEB	LEBEDINAYA SHEYA
LEC	LECHTALER

CODE	CULTIVAR NAME
LEC1	LECCE
LED	LEDECI BETA
LED1	LEDECI 2
LEG	LEGIA
LEG1	LEGER
LEH	LEH
LEH1	LEHOR
LEH2	LEHEDNAYA SHEYA
LEI	LEITH
LEI1	LEIORRHYNCHUM
LEN	LENTA
LEN1	LENDANYIA
LEN2	LENINAKANSKIJ 6151
LEN3	LENINAKANSKIJ 213
LEO	LEON
LEO1	LEONESSA
LEPA	LE PUY NO10
LEPB	LE PUY NO11
LEPC	LE PUY NO12
LEP1	LE PUY NO 1
LEP2	LE PUY NO 2
LEP3	LE PUY NO 3
LEP4	LE PUY NO 4
LEP5	LE PUY NO 5
LEP6	LE PUY NO 6
LEP7	LE PUY NO 7
LEP8	LE PUY NO 8
LEP9	LE PUY NO 9
LER	LERCHENBORG
LES	LESLIE
LES1	LESOSTEPHOI
LET	LETHAL COAST 1
LET1	LETHAL COLSESS 1
LET2	LETHAL SMYRNA 1
LET3	LETHAL TREBI 1
LIB	LIBERTY
LIB1	LIBYA 4
LIB2	LIBYA 2
LIB3	LIBRA
LIC	LICO
LIC1	LICO 3
LIC2	LICHSTI'S ASTRA
LIC3	LICHSTI'S DN
LIC4	LICHTIS NEUZUCHT
LIC5	LICHTIS MAIA
LIC6	LICHTIS GERDA
LID	LIDAL
LIE	LIECHTENSTEIN
LIG	LIGNE 179 DE COLMAR
LIH	LIHOR
LIL	LILLY
LIL1	LILA
LIM	LIMA MONTEIRO
LIM1	LIMERICK
LIN	LINCOLN
LIN1	LINDA
LIN2	LINNEA
LIO	LION
LIO1	LIONESS
LIS	LISA
LIS1	LISE
LIT	LITTLE BEN
LIZ	LIZVER
LLA	LLAGOSTERA
LLO	LLORACH
LNC	LOCAL CVAR MOULINS (FRANCE)
LNCA	LOCAL CVAR VITRY LE FRANCOISE (FRANC
LNCB	LOCAL CVAR (INDIA)
LNCC	LOCAL CVAR STOTZHEIM (FRANCE)
LNCD	LOCAL CVAR JEBSHEIM (FRANCE)
LNCE	LOCAL CVAR WHIR-EN-PLAINE (FRANCE)
LNCF	LOCAL CVAR OBERENTZEN (FRANCE)
LNCG	LOCAL CVAR LAMPERTHEIM (FRANCE)
LNCH	LOCAL CVAR INDIA
LNCI	LOCAL CVAR CASTELNAUDARY
LNCJ	LOCAL CVAR INDIA

CODE	CULTIVAR NAME
LNCK	LOCAL CVAR INDIA
LNCL	LOCAL CVAR GERTWILLER (FRANCE)
LNCM	LOCAL CVAR STOTZHEIM (FRANCE)
LNCN	LOCAL CVAR OBERENTZEN (FRANCE)
LNCO	LOCAL CVAR GATINAIS (FRANCE)
LNCP	LOCAL CVAR PUY (FRANCE)
LNCQ	LOCAL CVAR GATINAIS (FRANCE)
LNCR	LOCAL CVAR FINISTERE (FRANCE)
LNCS	LOCAL CVAR SWEDEN
LNCT	LOCAL CVAR FRANCE
LNCU	LOCAL CVAR FRIEDRICHSWERTHER (FRANCE
LNCV	LOCAL CVAR ILE DE RE (FRANCE)
LNCW	LOCAL CVAR HOLLAND
LNCY	LOCAL CVAR FINLAND
LNCZ	LOCAL CVAR FINLAND
LNC1	LOCAL CVAR CHAMPAGNE (FRANCE)
LNC2	LOCAL CVAR SAUMUR (FRANCE)
LNC3	LOCAL CVAR ISSOUDUN (FRANCE)
LNC4	LOCAL CVAR VITRY LE FRANCOISE (FRANC
LNC5	LOCAL CVAR BOURGOGNE (FRANCE)
LNC6	LOCAL CVAR CASTELNAUDARY (FRANCE)
LNC7	LOCAL CVAR VITRY LE FRANCOISE (FRANC
LNC8	LOCAL CVAR CASTELNAUDARY (FRANCE)
LNC9	LOCAL CVAR VITRY LE FRANCOISE (FRANC
LND	LANDRACE SAAR
LNDA	LOCAL CVAR (BULGARIA)
LNDB	LOCAL CVAR LOIRE (FRANCE)
LNDC	LOCAL CVAR VENDEE (BELGIUM)
LNDD	LOCAL CVAR FRANKONIE
LNDE	LOCAL CVAR ALGERIA
LNDF	LANDRACE-WETTERAU
LNDG	LOCAL CVAR (FRANCE)
LND1	LOCAL CVAR FINLAND
LND2	LOCAL CVAR FINLAND
LND3	LOCAL CVAR FINLAND
LND4	LOCAL CVAR FINLAND
LND5	LOCAL CVAR (CHINA)
LND6	LOCAL CVAR FINLAND
LND7	LOCAL CVAR TURKEY
LND8	LOCAL CVAR (ITALY)
LND9	LOCAL CVAR (AUSTRALIA)
LOC	LOCAL CVAR GROUP FROM BALKANS-CAUCAS
LOCA	LOCAL CVAR SWEDEN
LOCB	LOCAL CVAR RUSSIA
LOCC	LOCAL CVAR LATVIAN SSR
LOCD	LOCAL CVAR CAUCASUS
LOCE	LOCAL CVAR CAUCASUS
LOCF	LOCAL CVAR AUSTRIA
LOCG	LOCAL CVAR AUSTRIA
LOCH	LOCAL CVAR BULGARIA
LOCI	LOCAL CVAR BULGARIA
LOCJ	LOCAL CVAR BULGARIA
LOCK	LOCAL CVAR HUNGARY
LOCL	LOCAL CVAR (ZEALAND) NETHERLANDS
LOCM	LOCAL CVAR NORWAY
LOCN	LOCAL CVAR POLAND
LOCO	LOCAL CVAR ROUMANIA
LOCP	LOCAL CVAR ROUMANIA
LOCQ	LOCAL CVAR ROUMANIA
LOCR	LOCAL CVAR FRANCE (BOURGOGNE)
LOCS	LOCAL CVAR (FRANCE) LOIRE VALLEY
LOCT	LOCAL CVAR-HUNGARY
LOCU	LOCAL CVAR SPAIN
LOCV	LOCAL CVAR SPAIN
LOCW	LOCAL CVAR SPAIN
LOCX	LOCAL CVAR SPAIN
LOCY	LOCAL CVAR SPAIN
LOCZ	LOCAL CVAR SPAIN
LOC1	LOCAL CVAR FROM SZECHWAN PROVINCE CH
LOC2	LOCAL CVAR (TURKEY)
LOC3	LOCAL CVAR ASIA MINOR
LOC4	LOCAL CVAR (GOTLAND) SWEDEN
LOC5	LOCAL CVAR SCANDANAVIA
LOC6	LOCAL CVAR SCANDINAVIA
LOC7	LOCAL CVAR SWEDEN
LOC8	LOCAL CVAR SWEDEN

CODE	CULTIVAR NAME
LOC9	LOCAL CVAR SWEDEN
LOD	LOCAL CVAR SPAIN
LODA	LOCAL CVAR SPAIN
LODB	LOCAL CVAR SPAIN
LODC	LOCAL CVAR HUESCA (SPAIN)
LODD	LOCAL CVAR HUESCA (SPAIN)
LODE	LOCAL CVAR TERUEL (SPAIN)
LODF	LOCAL CVAR TERUEL (SPAIN)
LODG	LOCAL CVAR HUESCA (SPAIN)
LODH	LOCAL CVAR HUESCA (SPAIN)
LODI	LOCAL CVAR HUESCA (SPAIN)
LODJ	LOCAL CVAR HUESCA (SPAIN)
LODK	LOCAL CVAR HUESCA (SPAIN)
LODL	LOCAL CVAR HUESCA (SPAIN)
LODM	LOCAL CVAR HUESCA (SPAIN)
LODN	LOCAL CVAR SARAGOSSA (SPAIN)
LODO	LOCAL CVAR SARAGOSSA (SPAIN)
LODP	LOCAL CVAR SARAGOSSA (SPAIN)
LODQ	LOCAL CVAR SARAGOSSA (SPAIN)
LODR	LOCAL CVAR SARAGOSSA (SPAIN)
LODS	LOCAL CVAR SARAGOSSA (SPAIN)
LODT	LOCAL CVAR SARAGOSSA (SPAIN)
LODU	LOCAL CVAR TERUEL
LODV	LOCAL CVAR TERUEL
LODW	LOCAL CVAR SARAGOSSA (SPAIN)
LODX	LOCAL CVAR SARAGOSSA (SPAIN)
LODY	LOCAL CVAR SARAGOSSA (SPAIN)
LODZ	LOCAL CVAR SARAGOSSA (SPAIN)
LOD1	LOCAL CVAR SPAIN
LOD2	LOCAL CVAR SPAIN
LOD3	LOCAL CVAR SPAIN
LOD4	LOCAL CVAR SPAIN
LOD5	LOCAL CVAR SPAIN
LOD6	LOCAL CVAR SPAIN
LOD7	LOCAL CVAR SPAIN
LOD8	LOCAL CVAR SPAIN
LOD9	LOCAL CVAR SPAIN
LOE	LOERIE
LOEA	LOCAL CVAR HUESCA (SPAIN)
LOEB	LOCAL CVAR HUESCA (SPAIN)
LOEC	LOCAL CVAR HUESCA (SPAIN)
LOED	LOCAL CVAR HUESCA (SPAIN)
LOEE	LOCAL CVAR SARAGOSSA
LOEF	LOCAL CVAR HUESCA (SPAIN)
LOEG	LOCAL CVAR SARAGOSSA (SPAIN)
LOEH	LOCAL CVAR SARAGOSSA (SPAIN)
LOEI	LOCAL CVAR TERUEL (SPAIN)
LOEJ	LOCAL CVAR TERUEL (SPAIN)
LOEK	LOCAL CVAR HUESCA (SPAIN)
LOEL	LOCAL CVAR HUESCA (SPAIN)
LOEM	LOCAL CVAR HUESCA (SPAIN)
LOEN	LOCAL CVAR HUESCA (SPAIN)
LOEO	LOCAL CVAR HUESCA (SPAIN)
LOEP	LOCAL CVAR HUESCA (SPAIN)
LOEQ	LOCAL CVAR HUESCA (SPAIN)
LOER	LOCAL CVAR SARAGOSSA (SPAIN)
LOES	LOCAL CVAR SARAGOSSA (SPAIN)
LOET	LOCAL CVAR HUESCA (SPAIN)
LOEU	LOCAL CVAR HUESCA (SPAIN)
LOEV	LOCAL CVAR FANLO (SPAIN)
LOEW	LOCAL CVAR TERUEL
LOEX	LOCAL CVAR TERUEL
LOEY	LOCAL CVAR TERUEL (SPAIN)
LOEZ	LOCAL CVAR TERUEL (SPAIN)
LOE1	LOCAL CVAR SARAGOSSA (SPAIN)
LOE2	LOCAL CVAR SARAGOSSA (SPAIN)
LOE3	LOCAL CVAR HUESCA (SPAIN)
LOE4	LOCAL CVAR HUESCA (SPAIN)
LOE5	LOCAL CVAR HUESCA (SPAIN)
LOE6	LOCAL CVAR HUESCA (SPAIN)
LOE7	LOCAL CVAR HUESCA (SPAIN)
LOE8	LOCAL CVAR HUESCA (SPAIN)
LOE9	LOCAL CVAR HUESCA (SPAIN)
LOF	LOFA ABED
LOFA	LOCAL CVAR TERUEL (SPAIN)
LOFB	LOCAL CVAR IGLESUELA DEL CID (SPAIN)
LOFC	LOCAL CVAR SARAGOSSA (SPAIN)
LOFD	LOCAL CVAR SARAGOSSA (SPAIN)
LOFE	LOCAL CVAR TERUEL (SPAIN)
LOFF	LOCAL CVAR TERUEL (SPAIN)
LOFG	LOCAL CVAR SARAGOSSA (SPAIN)
LOFH	LOCAL CVAR SARAGOSSA (SPAIN)
LOFI	LOCAL CVAR SARAGOSSA (SPAIN)
LOFJ	LOCAL CVAR TERUEL (SPAIN)
LOFK	LOCAL CVAR TERUEL (SPAIN)
LOFL	LOCAL CVAR TERUEL (SPAIN)
LOFM	LOCAL CVAR TERUEL (SPAIN)
LOFO	LOCAL CVAR HUESCA (SPAIN)
LOFP	LOCAL CVAR TERUEL (SPAIN)
LOFQ	LOCAL CVAR TERUEL (SPAIN)
LOFR	LOCAL CVAR SARAGOSSA (SPAIN)
LOFS	LOCAL CVAR SARAGOSSA (SPAIN)
LOFT	LOCAL CVAR SARAGOSSA (SPAIN)
LOFU	LOCAL CVAR SARAGOSSA (SPAIN)
LOFV	LOCAL CVAR SARAGOSSA (SPAIN)
LOFW	LOCAL CVAR HUESCA (SPAIN)
LOFX	LOCAL CVAR HUESCA (SPAIN)
LOFY	LOCAL CVAR HUESCA (SPAIN)
LOFZ	LOCAL CVAR HUESCA (SPAIN)
LOG	LOGAN
LOGA	LOCAL CVAR SARAGOSSA (SPAIN)
LOGB	LOCAL CVAR SARAGOSSA (SPAIN)
LOGC	LOCAL CVAR SARAGOSSA (SPAIN)
LOGD	LOCAL CVAR SARAGOSSA (SPAIN)
LOGE	LOCAL CVAR SARAGOSSA (SPAIN)
LOGF	LOCAL CVAR SARAGOSSA (SPAIN)
LOGG	LOCAL CVAR SARAGOSSA (SPAIN)
LOGH	LOCAL CVAR TERUEL (SPAIN)
LOGI	LOCAL CVAR TERUEL (SPAIN)
LOGJ	LOCAL CVAR TERUEL (SPAIN)
LOGK	LOCAL CVAR HUESCA (SPAIN)
LOGL	LOCAL CVAR HUESCA (SPAIN)
LOGM	LOCAL CVAR TERUEL (SPAIN)
LOGN	LOCAL CVAR TERUEL (SPAIN)
LOGO	LOCAL CVAR TERUEL (SPAIN)
LOGP	LOCAL CVAR TERUEL (SPAIN)
LOGQ	LOCAL CVAR HUESCA (SPAIN)
LOGR	LOCAL CVAR HUESCA (SPAIN)
LOGS	LOCAL CVAR SARAGOSSA (SPAIN)
LOGT	LOCAL CVAR HUESCA (SPAIN)
LOGU	LOCAL CVAR HUESCA (SPAIN)
LOGV	LOCAL CVAR HUESCA (SPAIN)
LOGW	LOCAL CVAR HUESCA (SPAIN)
LOGX	LOCAL CVAR HUESCA (SPAIN)
LOGY	LOCAL CVAR HUESCA (SPAIN)
LOGZ	LOCAL CVAR HUESCA (SPAIN)
LOG1	LOGRA
LOH	LOHNAUER C
LOHA	LOCAL CVAR HUESCA (SPAIN)
LOHB	LOCAL CVAR HUESCA (SPAIN)
LOHC	LOCAL CVAR SARAGOSSA (SPAIN)
LOHD	LOCAL CVAR SARAGOSSA (SPAIN)
LOHE	LOCAL CVAR SARAGOSSA (SPAIN)
LOHF	LOCAL CVAR SARAGOSSA (SPAIN)
LOHG	LOCAL CVAR SARAGOSSA (SPAIN)
LOHH	LOCAL CVAR SARAGOSSA (SPAIN)
LOHI	LOCAL CVAR SARAGOSSA (SPAIN)
LOHJ	LOCAL CVAR TORRELABAD Y EL SOLER (SP
LOHK	LOCAL CVAR TORRELABAD Y EL SOLER (SP
LOHL	LOCAL CVAR TORRELABAD Y EL SOLER (SP
LOHM	LOCAL CVAR TORRELABAD Y EL SOLER (SP
LOHN	LOCAL CVAR SARAGOSSA (SPAIN)
LOHO	LOCAL CVAR SARAGOSSA (SPAIN)
LOHP	LOCAL CVAR SARAGOSSA (SPAIN)
LOHQ	LOCAL CVAR SARAGOSSA (SPAIN)
LOHR	LOCAL CVAR SARAGOSSA (SPAIN)
LOHS	LOCAL CVAR SARAGOSSA (SPAIN)
LOHT	LOCAL CVAR SARAGOSSA (SPAIN)
LOHU	LOCAL CVAR SARAGOSSA (SPAIN)
LOHV	LOCAL CVAR TERUEL (SPAIN)
LOHW	LOCAL CVAR SARAGOSSA (SPAIN)
LOHX	LOCAL CVAR SARAGOSSA (SPAIN)

CODE	CULTIVAR NAME
LOHY	LOCAL CVAR SARAGOSSA (SPAIN)
LOHZ	LOCAL CVAR SARAGOSSA (SPAIN)
LOH1	LOHNAUER IMPERIAL
LOIA	LOCAL CVAR SARAGOSSA (SPAIN)
LOIB	LOCAL CVAR POLAND
LOIC	LOCAL CVAR DLUZEW (POLAND)
LOID	LOCAL CVAR KARAGANDA (USSR)
LOIE	LOCAL CVAR PRIMORYE (USSR)
LOIF	LOCAL CVAR (USSR) STAVGOROD
LOIG	LOCAL CVAR (USSR) KRASNODAR
LOIH	LOCAL CVAR UZBEK SSR
LOIJ	LOCRIDE
LOIK	LOCAL CVAR ISRAEL
LOIL	LOCAL CVAR ISRAEL
LOIM	LOCAL CVAR ISRAEL
LOIN	LOCHINK
LOIO	LOCAL CVAR(USSR)
LOIP	LOCAL CVAR(ASSR)
LOIQ	LOCAL CVAR(USSR)
LOIR	LOCAL CVAR(USSR)
LOIS	LOCAL CVAR(USSR)KACAKHSTAN
LOIT	LOCAL CVAR(USSR)
LOIU	LOCAL CVAR(USSR)CRIMEA
LOIV	LOCAL CVAR(CZECHSLOVAKIA)
LOIW	LOCAL CVAR(VYATSK)USSR
LOIX	LOCAL CVAR(SARATOV)USSR
LOIY	LOCAL CVAR(DNEPROPETROVSK)USSR
LOIZ	LOCAL CVAR(KRUGLIK)USSR
LOJ	LOCAL CVAR(ODESSA)USSR
LOJA	LOCAL CVAR(LENKORANI)USSR
LOJB	LOCAL CVAR(GADZHINSKII)USSR
LOJ1	LOCAL CVAR(VERKHNYACHKI)USSR
LOJ2	LOCAL CVAR(CRIMEA)ASSR
LOJ3	LOCAL CVAR(CENTRAL ASIA)
LOJ4	LOCAL CVAR(ODESSA)USSR
LOJ5	LOCAL CVAR(KUBAN)USSR
LOJ6	LOCAL CVAR(GANDZHINSKII)USSR
LOJ7	LOCAL CVAR(NAKHICHEVAN)USSR
LOJ8	LOCAL CVAR(KAZAKH)USSR
LOJ9	LOCAL CVAR(CRIMEA)USSR
LOK	LOKUS
LOL	LOLA
LOL1	LOFA
LOL2	LOLA 35
LOM	LOMPOC
LON	LONG GLUMES
LON1	LONHI
LON2	LONG EARED NOTTINGHAM
LON3	LONE
LON4	LONG JOHN GRANT
LON5	LONG RACHIS INTERNODE
LOO	LOOSDORFER
LOO1	LOOSDORFER ZAYA
LOO2	LOOSDORFER BRILLIANT
LOO3	LOOSDORFER EARLY
LOO4	LOOSDORFER FRUHE ZAYA
LOO5	LOOSDORFER GABI
LOO6	LOOSDORFER LLA
LOR	LORCA
LOR1	LORNA
LOS	LOS OLMOS DE MANZANERA 1
LOS1	LOS OLMOS DE MANZANERA 3
LOS2	LOS PALACIOS
LOT	LOTI
LOU	LOUHI
LOU1	LOUHINOHRA
LOV	LOVASZPATONAI UNIVERSAL
LOV1	LOVASZPATONAI D 160
LOW	LOWDEN
LOY	LOYOLA
LOY1	LOYASZPATONAI UNIVERSAL
LSB	LSB 2
LUB	LUBIN
LUB1	LUBICKI
LUB2	LUBUSKI
LUC	LUCKE

CODE	CULTIVAR NAME
LUC1	LUC
LUC2	LUCENI
LUC3	LUCH
LUD	LUDWIG
LUD1	LUD
LUH	LUHUO WHITE SIX-ROWED NAKED BARLEY
LUH1	LUHUO BLACK SIX-ROWED NAKED BARLEY
LUI	LUIDENBURG 712
LUK	LUKE
LUL	LULU
LUN	LUNI
LUN1	LUNA
LUP	LUPE
LUP1	LUPE 1
LUP2	LUPE 2
LUT	LUTH
LUT1	LUTHER
LUT2	LUTTICHAU
LUT3	LUTSKII
LUX	LUXOR
LVO	LVOVSKII
LYA	LYALLPUR
LYA1	LYALLPUR BS
LYA2	LYALLPUR 3645
LYA3	LYALLPUR 3647
LYA4	LYALLPUR 3648
LYA5	LYALLPUR MEHLTAURESISTENTE 3913
LYA6	LYALLPUR 4595
LYA7	LYALLPUR 2
LYA8	LYALLPUR 3684
LYN	LYNCH
LYN1	LYNDERUPGAARD
LYR	LYRIC
LYT	LYTTON
L100	L 100
L115	L 1150
L5R1	L5 R101
L5R9	L5 R99
L56	L 56
L92	L 92
L94	L 94
L98	L 98
L99	L 99
M	M
MAC	MACKIE'S CHEVALIER
MAC1	MACROGLUMIS
MAC2	MACCA
MAC3	MACHIMURA
MAC4	MACHIMURA OMUGI
MAD	MADRU
MAD1	MADELEINE
MAD2	MADZUSKY NAHY
MAG	MAGDALENA
MAGA	MAGNIF 102
MAGB	MAGNIF 132
MAGC	MAGHNAAL
MAG1	MAGUELONE
MAG2	MAGURELE
MAG3	MAGALLON 1
MAG4	MAGALLON 2
MAG5	MAGALLON 3
MAG6	MAGNUM
MAG7	MAGALI
MAG8	MAGNIF 137
MAG9	MAGNIF 104
MAH	MAHNDORFER HANNA
MAH1	MAHNDORFER VIKTORIA
MAH2	MAHRISCHE
MAH3	MAHAN
MAH4	MAHNDORFER
MAH5	MAHNDORFER PRINCESS
MAH6	MAHREN
MAI	MAIJA
MAI1	MAIA
MAI2	MAISSONNE
MAI3	MAISON CARREE

CODE	CULTIVAR NAME
MAI4	MAIN WALI
MAI5	MAI CHEN
MAJ	MAJA
MAJ1	MAJA (GERMAN FED REP)
MAJ2	MAJA RIXO
MAJ3	MAJO
MAJ4	MAJI
MAJ5	MAJAR
MAJ6	MAJA (XR)
MAK	MAKNASSY
MAK1	MAKSIMIRSKI 45
MAK2	MAKSIMAR 166
MAK3	MAKSIMAR 252
MAK4	MAKSIMAR 253
MAL	MALTA
MALA	MALT 271
MALB	MALEBO
MALC	MALDON
MAL1	MALTSTER
MAL2	MALA ABED
MAL3	MALTWORTHY
MAL4	MALSTER
MAL5	MALTERIA 150
MAL6	MALTERIA HEDA
MAL7	MALTING
MAL8	MALT 205
MAL9	MALT 209
MAM	MAMIE
MAM1	MAMMOTH
MAM2	MAMMOTH WINTER
MAM3	MAMMUT
MAM4	MAMBO
MAM5	MAMMON
MAM6	MAMMOAT
MAM7	MAMMOUTH 1
MAM8	MAMMOUTH
MAM9	MAMMOUTH 2
MAN	MANCHURIA(CI 241)(1861-WISCONSIN USA
MANA	MANCHURIA(CI 244)(1889-GUELPH CANADA
MANB	MANCHURIA (UNSPECIFIED)
MANC	MANSHURY
MAND	MANCHURY MINNESOTA NO 6
MANF	MANCHURIA (CI 2947)
MANG	MANDSCHEURI
MANH	MANCHURIA (CI 2330)
MANI	MANCHURIAN
MANK	MANCHURIA (CI 2929)
MANN	MANSURY
MAN2	MANSING
MAN3	MANSHOLTS FLETUMER
MAP7	MANCHURIA(CI 245)UNDOCUMENTED ORIGIN
MAQ7	MANCHURIA-ODERBRUCKER
MAR	MARNOBARB
MARA	MARIS MINK
MARB	MARUMI
MARC	MARIS CANON
MARD	MARI
MARE	MANCHU
MARF	MANON
MARG	MARIS BALDRIC
MARH	MARIS TROJAN
MARI	MANSFIELD
MARJ	MARCO
MARK	MANRIKI
MARL	MANSHOLT
MARM	MANSHOLT'S SWERYIGE
MARN	MARETTS AWNLESS 1
MARO	MARETTS HOODED 4
MARP	MARIANA
MARQ	MARKHINSTZ
MARR	MAROCAINE 024
MARS	MARYS DWARF
MART	MARTONVASARI
MARU	MANSHOLT'S WINTER BARLEY
MARV	MANSHOLT GRONINGER
MARW	MARTIN

CODE	CULTIVAR NAME
MARX	MARTHA
MARY	MARIS YAK
MARZ	MARTA
MAR1	MARCONEE
MAR2	MARYLAND SMOOTH AWN
MAR3	MARIOUT
MAR4	MARS (USA 1945)
MAR5	MARIS BADGER
MAR6	MARIS OTTER
MAR7	MARIS PUMA
MAR8	MARIS CONCORD
MAR9	MARIS DRUID
MAS	MASKIN
MASA	MASSEY
MASB	MARZAL DE GAZOLAZ (B)
MASC	MARDAN
MASD	MARSBURY
MASE	MARCHIJSKI
MASF	MAROCCO BARLEY
MASG	MARTON
MASH	MARTONVASARI 34
MASI	MARKO
MASK	MARY SVALOFS
MASL	MARLBOROUGH CHEVALLIER
MASM	MAQUELONE
MASN	MARTONVASARI 45
MASO	MARVELLOUS
MASP	MANKER
MASQ	MANAPOU
MASR	MAROCAINE 079
MASS	MARIONET
MAST	MASASINOMUGI
MASU	MANDARIN
MASV	MAROCAINE
MASW	MANMUTO
MASX	MARTONVASARI FB102
MASY	MARTONVASARI FB104
MASZ	MARQUISE
MAS1	MASSAUX
MAS2	MASHIN
MAS3	MANSHOLT'S TWO ROWED
MAS4	MANHATTAN MALTING
MAS5	MARYLAND WINTER
MAS6	MARISMAS
MAS7	MARZAL 14 (A)
MAS8	MARZAL 14 (B)
MAS9	MARZAL DE AUZIN
MAT	MATURA
MAT1	MARTONVASARI 43
MAT3	MATA
MAT4	MATSUWA 1
MAUA	MARUMI 16
MAUB	MARGOT
MAUC	MARION
MAUD	MARIS RIMA
MAUE	MARILYN
MAUF	MANDUS
MAUG	MARTONVASARI FB 101
MAUH	MARTONVASARI FB 105
MAUI	MARTONVASARI 802
MAUJ	MARTONVASARI MK 42
MAUK	MARTONVASARI MK 175
MAUL	MAURY
MAUN	MAROCAINE 21
MAUO	MARTONVASARI 43
MAUP	MARTONVASARI 46
MAUQ	MARTONVASARI 48
MAUR	MARIS BULBECK
MAUS	MARIS MINK (CM)
MAUT	MANDOLIN
MAUU	MARIS BADGER 2
MAUV	MARIS DINGO
MAUW	MARY
MAUX	MARRACOS
MAUY	MARTONVASARI 40
MAUZ	MARTONVASARI 62

CODE	CULTIVAR NAME
MAU1	MARKHOT
MAU2	MARISCHE
MAU3	MARIOUT 237
MAU4	MARM
MAU5	MASSAUX 252
MAU6	MANDZUSKY NAHY
MAU7	MARCH
MAU8	MARIENHOFER KNEIFEL
MAU9	MAUSBERGER
MAV	MAVILA
MAVA	MARIMO HADAKA
MAVB	MASHUMUGI
MAVC	MASJED I-TOLI
MAV1	MARTONVASARI 38
MAV2	MARTONVASARI 39
MAV3	MARTONVASARI 50
MAV4	MARS (FRANCE 1967)
MAV5	MARNE
MAV7	MANSBERG
MAV8	MANSHOLTS VINDICAT
MAV9	MARUCHIN 1
MAW	MAWONGHIE
MAY	MAYA
MAY1	MAYTHORPE
MAY2	MAYTHORPE (GR)
MAZ	MAZURKA
MAZ1	MAZOWIECKI
MCC	MCCLOYMONT
MCF	MCFADDEN
MCN	MCNAIR 601
MEC	MECKNOS MOROE
MED	MEDUSA
MEDA	MEDICUM 46
MEDB	MEDICUM 330/2
MEDC	MEDICUM 105/72
MEDD	MEDICUM A
MEDE	MEDIKUM 848
MEDF	MEDIKUM 1371
MEDG	MEDIKUM 8055
MEDH	MEDALLION
MEDI	MEDINACELI
MEDJ	MEDICUM K557
MEDK	MEDICUM 174
MED1	MEDICUM 1388
MED2	MEDICUM 515
MED3	MEDICUM 8955
MED4	MEDICUM 84
MED5	MEDIKUM 2/5
MED6	MEDICUM 26
MED7	MEDICUM 2422
MED8	MEDINA
MED9	MEDICUM 2
MEG	MEGALIA
MEH	MEHLENBACKER
MEH1	MEHLTAURESISTENTE BARINGERSTE
MEI	MEIMI
MEI1	MEIKLEYIELD
MEK	MEKEI 8
MEL	MELOY 3
MEL1	MELOY
MEL2	MELODY
MEL3	MELVIN
MEL4	MELON D'OR
MEL5	MELIOR
MEL6	MELCHIOR
MEN	MENTOR
MEN1	MENSURY
MEN2	MENSURY OTTAWA 60
MEN3	MENUET
MEN4	MENELIK
MEN5	MENSURY 5
MEN6	MENET
MEN7	MENSURY 2
MER	MERCER
MER1	MERZAGA
MER2	MERKUR
MER3	MERISA 71
MER4	MERISA 77
MER5	MERISA 77-1
MER6	MERISA 89
MER7	MERKLEYIELD
MES	MESANGE
MESA	MESSKIRCHAER
MESB	MESTERHAZI 193
MESC	MESTNYJ 43
MESD	MESTNYK TURCIJA
MESE	MESTERHAZI
MESF	MESTERHAZI 153
MES1	MESOHEGES
MES2	MESSENGER
MES3	MESSIDOR
MES4	MESTERHAZI 210
MES5	MESTNYJ GRUZINSKAJA 6161
MES6	MESTNYJ GRUZINSKAJA 17480
MES7	MESTNYJ GRUZINSKAJA 17491
MES8	MESTNYJ GRUZINSKAJA 6153
MES9	MESS 23
MET	METEOR
MET1	MET1
MET2	METRO
MET3	METAXAS
MET4	METTES HANNA
MEX	MEXICAN BEARDLESS
MEX1	MEXICAN
MEZ	MEZOHEGYESI 68
MEZ1	MEZQUITA DE JARQUE 1
MEZ2	MEZQUITA DE JARQUE 2
MEZ3	MEZQUITA DE JARQUE 3
MEZ4	MEZQUITA DE JARQUE 4
MEZ5	MEZOHEGYES 31
MEZ6	MEZOHEGYES 56/64
MEZ7	MEZOHEGYES 70
MEZ8	MEZOHEGYESI 20
MFB	MFB 104
MFB1	MFB KORAI
MG	MG 6033
MGH	MGH 59175
MGH1	MGH 63199
MGH2	MGH 55221
MGH3	MGH 57369
MGH4	MGH 60312
MGH5	MGH 6266
MGP	M G P
MGZ	MGZ
MIA	MIANWALI
MIC	MICHIGAN WINTER
MIC1	MICHIGAN 2-ROWED
MIC2	MICHIGAN 31604
MIC3	MICHUNG
MIC4	MICHIGAN BLACK BARBLESS
MIC5	MICHIGAN
MIC6	MICUCCIO
MIC7	MICHALOVICKY NAHY
MIC8	MICHIGAN 308
MID	MIDAS
MIE	MIESTNYJ
MIE1	MIE BAITORI
MIH	MIHO HADAKA
MIH1	MIHO 35
MIH2	MIHO GOLDEN
MIH3	MIHORI HADAKA 3
MIH4	MIHO 65.17
MIH5	MIHO
MIH6	MIHO 3
MIH7	MIHO 22
MII	MIINA
MIK	MIKULICKI
MIK1	MIKURIYA
MIK2	MIKADO
MIK3	MIKAZUKI
MIL	MILLER
MILA	MILU

CODE	CULTIVAR NAME
MILB	MILNS 155
MILC	MILYANG 1
MILD	MILYANG 16
MIL1	MILNS GOLDEN PROMISE
MIL2	MILDEW RESISTANT A
MIL3	MILTON
MIL4	MILYANG 6
MIL5	MILLENIUM
MIL6	MILN
MIL7	MILTONE
MIL8	MILUST
MIL9	MILADY
MIM	MIMI
MIM1	MIMACK
MIN	MINNESOTA 450
MINA	MINISTER RUYS
MINB	MINIA
MINC	MINORIMUGI
MIND	MIN-XIAN
MINE	MINA
MINF	MINERVA 2
MING	MINGO
MINH	MINSKII
MINI	MINAMI HADAKA
MIN1	MINNESOTA 462
MIN2	MINERVA
MIN3	MINSTURDI
MIN4	MING
MIN5	MINNESOTA NO 6
MIN6	MINNESOTA NO 32
MIN7	MINNESOTA NO 105
MIN8	MINNESOTA NO 184
MIN9	MINAK
MIR	MIRRA
MIR1	MIRANDA
MIR2	MIRJAM SEJET
MIR3	MIRAJ
MIR4	MIREILLE
MIR5	MIRENA
MIR6	MIRAGE
MIR7	MIRJAMI
MIR8	MIRKO
MIS	MISSOURI EARLY BEARDLESS
MISA	MISTRAL
MISB	MISHIMA HADAKA
MIS1	MISSOURI BARBLESS
MIS2	MISSOURI B-400
MIS3	MISSOURI B-475
MIS4	MISSOURI OB
MIS5	MISSOURI B-705
MIS6	MISHIMA
MIS7	MISSOURI BEARDLESS
MIS8	MISSUDAEMACK
MIS9	MISUZU
MIT	MITSUKI
MIT1	MITTELFRUCHE
MIT2	MITTLAUER HANNA
MIT3	MITAKE
MIT5	MITUNA
MIT6	MITA
MIT7	MITOR
MIV	MIV
MIY	MIYAGI ROKKAKU 3
MIY1	MIYAGI 12
MIY2	MIYAGI ROKKAKU 23
MIY3	MIYAZAKI HADAKA
MIY4	MIYUKI
MIY5	MIYAGI 42
MIY6	MIYAGI 13
MIY7	MIYAGI 123
MIY8	MIYAN DEH
MIZ	MIZOHEGYSER
MIZ1	MIZUHO
MJO	MJOS
MKH	MKH 23
MKH1	MKH 81

CODE	CULTIVAR NAME
MKS	MKS 22
MKS1	MKS 26
MKS2	MKS 29
MKS3	MKS 34
MKS4	MKS 43
MKS5	MKS 45
MKS6	MKS 50
MKS7	MKS 59
MKS8	MKS 99
MK17	MK 175
MK42	MK 42
MK47	MK 47
MLO	MLOCHOWSKI NAGI
MLO1	MLOCHOWSKI
MOA	MOARA DOMNEASCA
MOB	MO B-400
MOB1	MO B-475
MOB2	MOB 575
MOB3	MO B-969
MOB4	MO B-538
MOB5	MOB
MOB6	MOB GRIGNON
MOC	MOCHI HADAKA
MOC1	MOCKI MUGI
MOC2	MOCHINEMUGI
MOD	MODIA
MOD1	MODOC
MOD2	MODJO
MOD3	MODJO 1
MOD4	MODJO 2
MOG	MOGADOR
MOG1	MOGPO 51
MOG2	MOGPO 53
MOI	MOISTER
MOK	MOKUSEKKO 3
MOL	MOLDAVSKII 12
MOL1	MOLDAVIA
MOL2	MOLLET
MON	MONTCALM
MONA	MONARQUE
MONB	MONLON
MONC	MONA
MOND	MONTPELLIER
MONE	MONDAL
MONF	MONROE
MONG	MONTEAGUDO
MONH	MONTANA (1981)
MONJ	MONIX
MON1	MONTE CRISTO
MON2	MONACHIA
MON3	MONCK
MON4	MONTAGUT 1
MON5	MONTAGUT 2
MON6	MONDE HULL-LESS
MON7	MONRO
MON8	MONTANA
MON9	MONTANA TWO ROWED
MOO	MOORE
MOO1	MOORE 515
MOO2	MOOSBURGER RHATIA
MOO3	MOOSBURGER GEORGINE
MOR	MORAVIAN
MORA	MOREX
MORB	MORAVIE S B
MORC	MORSEN
MORD	MORAVSKY NEPOLEHAVA I G B
MORE	MORATA DE JALON
MORF	MORATA DE JILOCA
MORG	MORDEN
MORH	MORUNA
MORI	MORTONI
MOR1	MOROCCO
MOR2	MORGENROT
MOR3	MOREVALE
MOR4	MORRISON
MOR5	MORAVIA

CODE	CULTIVAR NAME
MOR6	MORILLO DE LIENA 1
MOR7	MORILLO DE LIENA 2
MOR8	MORISCA 1
MOR9	MORISCA 2
MOS	MOSANE
MOS1	MOSKOVSKII 121
MOT	MOTANE
MOU	MOULTAN
MOU1	MOULIN
MOU2	MOUTOT A EPI ROUGE
MOY	MOYAR
MOY1	MOY WAH
MOZ	MOZDOKSKIJ
MUA	MUANBORI
MUB	MUBODANGO
MUB1	MUBYAN
MUC	MUCHI MUGI
MUG	MUGISH
MUG1	MUGIZA
MUK	MUKADEMUGI
MUL	MULTAN
MUL1	MULLER
MUL2	MULLERS FRANKEN 2
MUL3	MULLERS FRANKONIA
MUL4	MULTUM
MUL5	MULLERS COLUMBA
MUL6	MULLERS FRANKEN
MUL7	MULLERS NEUZUCHT
MUL8	MULYAN
MUN	MUNSING
MUN1	MUNIESA
MUR	MURASAKI-MOCHI
MUR1	MURSA
MUR2	MURASAKI HADAKA
MUS	MUSASHINOMUGI
MUT	MUTANTE 66
MUT1	MUTATION RUNDKORN
MV	MV 3
MVO	MV OSZI TAKARMANYARPA
MV3	MV 31
MV4	MV 41
MV46	MV 46
MV5	MV 37
MYL	MYLITTA
M38	M 38
NAB	NABAWI
NAC	NACKTA
NAC1	NACKT-GERSTE 1162
NAC2	NACKTE BOHMEN
NAC3	NACKTINA
NAC4	NACKTGERSTE
NAD	NADWISLANSKI
NAD1	NADJA
NAD2	NADIR
NAG	NAGAOKA
NAG1	NAGRADOWICE 2
NAG2	NAGASAKI WASE HADAKA
NAG3	NAGASAKI
NAG4	NAGOYA 12
NAI	NAIRN
NAK	NAKANO WASE
NAKA	NAKED MONTPELLIER
NAKB	NAKANAT
NAKC	NAKED ELASSONOS
NAK1	NAKANO WASE 58
NAK2	NAKED BARLEY
NAK3	NAKKARTSE 921
NAK4	NAKHCHVANDANY
NAK5	NAKATE HADAKA
NAK7	NAKANO WASE 33
NAK8	NAKAIZUMI ZAIRAI
NAK9	NAKED KORINTHIAS
NAL	NALIB
NAM	NAMWONCHANG 3
NAM1	NAMHAEBORI
NAN	NANPU HADAKA

CODE	CULTIVAR NAME
NAR	NARODNYI 9
NAR1	NARYMSKII 372-42
NAR2	NARYMSKII 1/4
NAR3	NARAWASE
NAR4	NARYN 27
NAR5	NARA KAIRYOMUGI
NAS	NASSAU
NAT	NATSUDAIKON-MUGI
NAT1	NATALIE
NAT2	NATASHA
NAU	NAU
NAV	NAVARRA NO 4
NAV1	NAVARRA NO 183
NAV2	NAVARRA NO 839
NAV3	NAVARRETE
NEB	NEBAR
NEB1	NEBRY
NEG	NEGI
NEG1	NEGRA MANFREDI
NEG2	NEGRA PERGAMINO
NEG3	NEGER
NEI	NEIGA
NEJ	NEJA
NEJ1	NEJIREYAKKO
NEK	NEKLUDOWI
NEK1	NEKLADENER
NEL	NELLSON-EKLOS
NEM	NEMCHINOVSKII
NEP	NEPAL
NEP1	NEPAL BARLEY
NEP2	NEPOLD
NEP3	NEPEAN
NEP4	NEPOLEGAYUSHCHII
NEP5	NEPTUNE
NEP6	NEPAL 81
NER	NERCHINSK
NER1	NERY SEJET
NES	NESBIT
NES1	NESBIAN
NES2	NESSA
NEU	NEUTRON BEORNA 211
NEU1	NEUGA
NEU2	NEUDORFER MARIEN
NEU3	NEUHAUSLER
NEU4	NEUDORFFER
NEU5	NEUHAUS FISCHER 1
NEU6	NEUHAUS SELCHOWER CHEVALLIER
NEU7	NEUHAUS SELCHOWERLAND
NEV	NEVADA
NEW	NEWAL
NEWA	NEW FORTYFOLD
NEWB	NEW ZZ
NEWC	NEW UNIVERSAL
NEW1	NEW MEXICO WINTER
NEW2	NEW MORANIAN
NEW3	NEW CROSS
NEW4	NEW ERA
NEW5	NEW RICHMOND 6
NEW6	NEWTON
NEW7	NEW ZEALAND
NEW8	NEW HULL-LESS
NEW9	NEW GOLDEN
NIC	NICOLE
NID	NIDAR 2
NID1	NIDAR
NIG	NIGRATE
NIG1	NIGO KUMASHIMA
NIG2	NIGRI NUDUM
NIG3	NIGRISUBNUDUM
NIG4	NIGRUM
NIG5	NIGRUM 164
NIG6	NIGRATE 404
NIG7	NIIGATA
NIH	NIHON-ICHI
NIH1	NIHONSAN
NIJ	NIJO

CODE	CULTIVAR NAME
NIK	NIKAKU CHEVALLIER
NIL	NILSSON-EHLE NO 2
NIL1	NILE
NIN	NINA
NIR	NIRASAKI WASE 1
NIR1	NIRASAKI NIJO 8
NIR2	NIRASAKI NIJO 9
NIR3	NIRASAKI 6
NIR4	NIRASAKI NIJO 10
NIR5	NIRASAKI NIJO 11
NIR6	NIRASAKI NIJO 12
NIR7	NIRASAKI NIJO 13
NIR8	NIRASAKI NIJO 14
NIS	NISSEI
NIS1	NISSANIT
NIT	NITA
NIT1	NITTANIJO 1
NIT2	NITRANSKY EXPORTNI
NIT3	NITA HADAKA
NIT4	NITRANSKY
NIU	NIURBINSKI
NIV	NIVER
NIY	NIYURBIN YAKUTAK
NIZ	NIZZANIT
NOB	NOBARB
NOB1	NOBARB
NOB2	NOBARB 2
NOB3	NOBARB 1
NOB4	NOBEL
NOE	NOELLE
NOH	NOHADAK
NOJ	NOJOT
NOJ1	NOJI
NOL	NOLLA
NOL1	NOLC MORAVIA
NOL2	NOLC ALLERFRUHESTE
NOL3	NOLCS IMPERIAL A
NOL4	NOLCS IMPERIAL B
NOL5	NOLCUV BOHEMIA
NON	NONSANGWA 1-6
NON1	NONPAREIL
NON2	NONGGIYEN
NOR	NORD
NORA	NORDLAND
NORB	NORDLYS
NORC	NORWAY 8
NORD	NORWAY HOUSE
NORE	NORWEGIAN
NORF	NORDGAARD 96
NORG	NORDAL
NORH	NORDSAAT 564
NORI	NORDGAARDEN 91
NORJ	NORDGAARDEN 96
NORK	NORDGAARDEN 56
NORL	NORWIND
NORM	NORIN 6
NORN	NORIN 27
NORO	NORIN 11
NORP	NORIN 26
NORQ	NORIN 28
NORR	NORIN 24
NORS	NORDGAARDEN
NORU	NORDGAARDEN 95
NORV	NORDOST
NORW	NORBERT
NORX	NORDGAARDEN 264
NORY	NORDSAAT
NOR1	NORDIC
NOR2	NORTH DAKOTA NO 787
NOR3	NORTH DAKOTA NO 2121
NOR4	NORDSAAT STAMM
NOR5	NORDGAARDEN 116
NOR6	NORD NO. 5
NOR7	NOROOSTE HANNA
NOR8	NORTH CAROLINA HOODED 26
NOR9	NORTH PLATTE 1

CODE	CULTIVAR NAME
NOS	NOSOVSKII 2
NOS1	NOSOVSKII 6
NOT	NOTTINGHAM LONG EAR
NOT1	NOTA
NOV	NOVISAD
NOV1	NOVA
NOV2	NOVISAD 4082
NOV3	NOVODVORSKY HANACKY
NOV4	NOVATOR
NOV5	NOVOSADSKI
NOY	NOYEP
NP	NP 2
NP1	NP 13
NP1A	NP 105
NP1B	NP 113
NP1C	NP 104
NP1D	NP 109
NP1E	NP 101
NP1F	NP 103
NP1G	NP 111
NP2	NP 21
NS	NS 27
NUD	NUDUM 2657
NUD1	NUDUM 3603
NUD2	NUDINKA
NUD3	NUDO LEONESSA
NUD4	NUDUM 155
NUE	NUE PETITE
NUE1	NUE DE CEPHALONIE
NUE2	NUE DE GUIMALAYA
NUE3	NUE DE MESFOUIA
NUE4	NU ER TA
NUE5	NUE GROSSE
NUE6	NUE D'ITALIE
NUE7	NUE DE COIRE
NUE8	NUE BAC DONG
NUE9	NUEZ DE EBRO
NUG	NUGENT
NUL	NULBORI
NUL1	NULBORI 50
NUL2	NULBORI 51
NUM	NUMBER 38
NUM1	NUMAR
NUN	NUNCA
NUN1	NUNDHAKI 6A
NUR	NUREMBERG 1
NUR1	NUREMBERG 2
NUR2	NURUBORI
NUT	NUTANS 47
NUTA	NUTANS G-1386
NUTB	NUTANS 106
NUTC	NUTANS 244
NUTD	NUTANS 28
NUTE	NUTANS 32
NUTF	NUTANS 19
NUTG	NUTANS 22
NUTH	NUTANS 226
NUTI	NUTANS 530
NUTJ	NUTANS 2607
NUTK	NUTANS 115
NUTL	NUTANS 43
NUTM	NUTANS 8
NUTN	NUTANS 103/3
NUTO	NUTANS 141
NUTP	NUTANS 152
NUTQ	NUTANS 44
NUTR	NUTANS 1898
NUTS	NUTANS 1985
NUTT	NUTANS 2348
NUTU	NUTANS 2349
NUTV	NUTANS 2352
NUTW	NUTANS 2414
NUTX	NUTANS 2423
NUTY	NUTANS 2869
NUTZ	NUTANS 2870
NUT1	NUTANS

CODE	CULTIVAR NAME
NUT2	NUTANS 27
NUT3	NUTANS 38-3
NUT4	NUTANS 187
NUT5	NUTANS 3
NUT6	NUTANS 3428
NUT7	NUTANS 3432
NUT8	NUTANS 1/1
NUT9	NUTANS G-80
NUU	NUTANS 1005
NUUA	NUTANS 45
NUUB	NUTANS 188
NUUC	NUTANS 17
NUUD	NUTANS BRAUNER
NUUE	NUTANS 9
NUUF	NUTANS 127
NUUG	NUTANS 224
NUUH	NUTANS 7747
NUUI	NUTANS 0353/133
NUUJ	NUTANS 6955
NUUK	NUTANS 1447
NUUL	NUTANS 3006
NUUM	NUTANS 6040
NUUN	NUTANS 970
NUUO	NUTANS 36
NUUP	NUTANS 52
NUUQ	NUTANS 4353
NUUR	NUTANS 35/33
NUU1	NUTANS 1012
NUU2	NUTANS 1046
NUU3	NUTANS 1233
NUU4	NUTANS DAGEST
NUU5	NUTANS SEVERNAYA OSETIYA
NUU8	NUTANS 58
NUU9	NUTANS 2/1
NUY	NUY
NYM	NYMPHE
NYM1	NYMAEN
NYT	NYTSCHEVA 1104
NYU	NYURBENSKII IMPROVED
OAC	OAC 21
OAC1	OAC HALTON
OAC2	OAC 7
OAM	OAMR
OAS	OASIS
OBE	OBERMITTLAUER HANNA
OBE1	OBERSULZENER
OBE2	OBER-UNGARN
OBE3	OBERLONGAUNER KNEIFGERSTE P 5
OBR	OBROSHINSKII1
OCH	OCHSENHAUSENER RIA
OC2	OC 277
ODE	ODESSA
ODEA	ODESSKII 14
ODEB	ODESSA 36
ODEC	ODESSKII
ODED	ODESSKII 8
ODEE	ODESSKI 18
ODEF	ODESA-SOLOVEI
ODEG	ODER RIVER MARSH BARLEY
ODEH	ODE
ODEI	ODESSA 84
ODEJ	ODESSA 70
ODEK	ODESSA 69
ODE1	ODERBRUCKER
ODE2	ODERBRUCKER PEDIGREE 5-1
ODE3	ODESSA EARLY
ODE4	ODESSKII RANNII
ODE5	ODESSA 9
ODE6	ODESSA 14
ODE7	ODESSA 17
ODE8	ODESSA 31
ODE9	ODESSA 46
OD1	OD-17
OD2	OD 18
OFI	OFIR
OGA	OGALITSU

CODE	CULTIVAR NAME
OGR	OGRA
OHI	OHIO 1
OHI1	OHIO WINTER
OHI2	OHIO BEARDLESS
OHI3	OHIO FALL
OHI4	OHIN 38
OIS	OISHI
OIT	OITA-HADAKA
OKA	OKAYAMA
OKA1	OKAYAMA HADAKA 1
OKA2	OKAYAMA HADAKA 2
OKI	OKIDAMA
OKL	OKLAHOMA 1005
OKO	OKOS
OKS	OKSAMYT
OKU	OKU-SEKITORI
OLA	OLA
OLA1	OLANDS
OLB	OLBORI
OLD	OLD ISLAND TWO-ROWED
OLDA	OLD SCOTCH COMMON 7
OLDB	OLD CROMARTY
OLDC	OLDENBURGER
OLD1	OLD IRISH
OLD2	OLD CORNWALL
OLD3	OLD CORNISH
OLD4	OLD CAPE BARLEY
OLD5	OLD MARYLAND
OLD6	OLD AMBSTER
OLD8	OLD SCOTCH COMMON 2
OLD9	OLD SCOTCH COMMON 3
OLE	OLESENSKY
OLI	OLIVEROS LITORAL
OLI1	OLIMPE
OLL	OLLI
OLL1	OLLINOHRA
OLO	OLONETS
OLV	OLVE
OLY	OLYMPIA
OLY2	OLYMPE
OMA	OMA
OMA1	OMAR
OMB	OMBELLE
OMK	OMK 34
OMK1	OMK 52
OMK2	OMK 74
OMS	OMSKII 10664
OMS1	OMSKII 13709
OMS2	OMSKII 3601
OMU	OMUGI
OMUA	OMUGI 19
OMUB	OMUGI 9
OMU1	OMUGI SHIN 1
OMU2	OMUGI 2
OMU3	OMUGI 49
OMU4	OMUGI 83
OMU5	OMUGI 23
OMU6	OMUGI 3
OMU7	OMUGI SHINANO
OMU8	OMUGI 5
OMU9	OMUGI 15
OND	ONDA
OND1	ONDINE
ONI	ONI HADAKA
ONI1	ONICE
ONO	ONOKHOISKII 566
ONO1	ONO 1123
ONT	ONTARIO SIX-ROWED
ONT1	ONTARIO 21
OOI	OOISHI
OOI1	OOITA HADAKA
OOM	OOMUGI
OOM1	OOMUGI SHIN 1
OPA	OPAL (DENMARK 1931)
OPA1	OPAL B
OPA2	OPAVSKII

CODE	CULTIVAR NAME
OPA3	OPALE
OPA4	OPAVSKII KNEIFEL
OPA5	OPAL (CZECHOSLOVAKIA 1931)
OPD	OPDAL
ORA	ORANGE LEMMA
ORA1	ORA
ORA2	ORAZIO
ORD	ORDI CABOT
ORD1	ORDI MACETA
ORD2	ORDI DE SANT ISIDRE
ORD3	ORDER
ORE	OREL
ORE1	OREGON MARIOUT
ORE2	OREGON
ORE3	ORES
ORE4	ORENBURG 35
ORF	ORFELLA
ORF1	ORFEO
ORG	ORGE DE STAF TUNISIE
ORGA	ORGE COMMUNE A DEUX RANGS
ORGB	ORGE DE CHAMPAGNE
ORGC	ORGE DE SYRIE
ORGD	ORGE D'ITALIE
ORGE	ORGE DU MAROC
ORGF	ORGE ROYS 25
ORGG	ORGE DU RONZET
ORGH	ORGE DU PROPHETE
ORG1	ORGE D'OR
ORG2	ORGE D'HIVER KIRSCHE
ORG3	ORGE A 2 RANGS DE KIRSCHE
ORG4	ORGE D'HIVER A 4 RANGS
ORG5	ORGE MARTIN
ORG6	ORGE SAIDA
ORG7	ORGE FOURRAGER
ORG8	ORGE AMERICAINE 1
ORG9	ORGE CARREE DE PRINTEMPS
ORI	ORIOL
ORI1	ORION
ORJ	ORJAO
ORT	ORTOLAN
ORZ	ORZO LIENGO
ORZ1	ORZEDOWYGRANUM
OSA	OSA
OSA1	OSAKA 6
OSA2	OSAKA 2
OSB	OSBORNE
OSE	OSER
OSH	OSHIMAKAN
OSH1	OSHIMAHADAKA
OSH2	OSHICHI
OSI	OSIRIS (GFR)
OSI1	OSIJESKI
OSI2	OSIRIS (FRANCE)
OST	OSTMARK SCHUL
OST1	OSTRIG
OSW	OSWONG
OTA	OTAL
OTE	OTELLO
OTH	OTHELLO
OTI	OTIS
OTL	OTLICNIK 5
OTO	OTOFTE FERO
OTR	OTRA
OTT	OTTERBACHER
OTT1	OTTO
OTT2	OTTAWA 3092A
OTT3	OTTONE
OTT4	OTTAWA 60
OTT5	OTTAWA 50
OUC	OUCHAK
OWE	OWEOLBORI
O144	O 144
O273	O 273
PA	PA 147
PAA	PAAVO
PAA1	PAARL SELECTION

CODE	CULTIVAR NAME
PAC	PACE
PAC1	PACER
PAC2	PACHECO
PAD	PADSTOW
PAG	PAGE'S PROLIFIC
PAJ	PAJBJERG
PAJ1	PAJBJERG DROST
PAJ2	PAJBJERG DROST A
PAJ3	PAJBJERG BINE
PAJ4	PAJBJERG LONE
PAJ5	PAJBJERG SALKA
PAJ6	PAJBJERG SIRI
PAJ7	PAJBJERG ZITA
PAL	PALLAS
PALA	PALAMPUR
PALB	PALLIDUM 330/2
PALC	PALLIDUM 2929
PALD	PALLIDUM 394
PALE	PALOMA
PALF	PALLIDUM 205
PALG	PALLIDUM 17
PALH	PALLIDUM 187
PALI	PALLIDUM 666
PALJ	PALADIN
PALK	PALMELLA BLUE
PALL	PALLIDUM 46
PALM	PALLIDUM 21
PALN	PALLIDUM 85
PALO	PALLIDUM 280/7
PALP	PALLIDUM 330/11
PALQ	PALLIDUM 14/1
PALR	PALLIDUM 14/31
PALS	PALLIDUM 945
PALT	PALLIDUM 942
PALU	PALLIDUM 1068
PALV	PALLIDUM 1142
PALW	PALLIDUM 1148
PALX	PALLIDUM 11464
PALY	PALLIDUM 10664
PALZ	PALLIDUM 18
PAL1	PALESTINE
PAL2	PALLISER
PAL3	PALLIDUM 48
PAL4	PALLIDUM
PAL5	PALLIDUM 4
PAL6	PALLIDUM 16
PAL7	PALLIDUM 32
PAL8	PALLIDUM 43
PAL9	PALLIDUM 45
PAM	PAMELLA BLUE
PAMA	PALLIDUM 14/14
PAMB	PALLIDUM 803
PAMC	PALLIDUM 22
PAMD	PALLIDUM 352
PAME	PALLIDUM 2494
PAMF	PALLIDUM 629/9
PAMG	PALLIDUM 1411
PAMH	PALLIDUM 310/1
PAMI	PALLIDUM 135/3
PAMJ	PALLIDUM 761/3
PAMK	PALLIDUM 164/1
PAMM	PALESTINE 10
PAMN	PALATIA
PAMO	PALOMINO
PAMP	PALENCIA
PAMQ	PALOMARES
PAMR	PALLIDUM 191
PAMS	PALMA
PAMT	PALLIDUM 596
PAMV	PALLIDUM 153
PAMW	PALLIDUM 281
PAMX	PALLIDUM 198
PAMY	PALLIDUM 414
PAMZ	PALLIDUM 491
PAM1	PAMINA
PAM2	PAMULA DE ARTES

CODE	CULTIVAR NAME
PAM3	PAMULA DE BORREDA
PAM4	PAMULA DE SOLSONA
PAM5	PAMULA DE VICH
PAM6	PAMMERS VOLLKORN
PAM7	PAMFER
PAN	PANNIER
PANA	PALDALBORI
PAN1	PANDORA
PAN2	PANALTA
PAN3	PANDA
PAN4	PANJAO
PAO	PAOLI
PAP	PAPHITICO
PAR	PARKLAND
PARA	PARGA
PARB	PARKUTTA
PARC	PARTRIDGE
PARD	PARUN
PAR1	PARAGON
PAR2	PARALLELUM
PAR3	PARADISE
PAR4	PARKIN
PAR5	PARK
PAR6	PARVO
PAR7	PARALLELIUM 534
PAR8	PARWAN
PAR9	PARLA
PAS	PASVOLSKI
PAS1	PASHA
PAS2	PASTEUR
PAS3	PASO
PAS4	PASTRIZ
PAS5	PASHKI
PAT	PATTY
PAT1	PATRICK
PAU	PAULA
PAU1	PAULINE
PAU2	PAUMELLE
PAU3	PAULI
PAV	PAVLOVEKY
PAV1	PAVI AMERICKY
PA1	PA 146
PEA	PEATLAND
PEA1	PEACOCK
PEA2	PEARL
PED	PEDIGREE 5
PED1	PEDIGREE 38
PEE	PEERLESS WHITE
PEG	PEGUIS
PEG1	PEGASIS
PEK	PEKING
PEL	PELLA
PEL1	PELLOPONNES
PEL2	PELHAM
PEM	PEMBROKE
PEN	PENNRAD
PEN1	PENDEK
PEN2	PENDO PAJBJERG
PEN3	PENDO
PEN4	PEN
PEP	PEPHITICO
PEP1	PEPITE
PER	PERU
PERA	PERSICUM 64
PERB	PERGA
PERC	PERAGIS MELIOR
PERD	PERFEKTA
PERE	PERM
PERF	PERRY
PERG	PEREDOVOI
PERH	PERNILLA
PERI	PERORGE
PERJ	PERTTU
PERK	PERAGIS 6/7
PERL	PERESZTEGI
PERM	PERESZTEGI 8

CODE	CULTIVAR NAME
PERN	PERAGIS 409
PERO	PEROLINA
PERP	PERDIGUERA
PERQ	PERESTEGI 3
PERR	PERESZTEGI 30
PERS	PERUVIAN 19
PER1	PERUVIAN
PER2	PERTH
PER3	PERAGIS
PER4	PEROGA
PER5	PERTUNOHRA
PER6	PERAGIS 12 MELIOR
PER7	PERAGIS 12
PER8	PERBETEI
PER9	PERSIA
PES	PESTER-BODEN
PES1	PESHWAR
PES2	PESQUEIRA DRUCO
PET	PETKUS
PET1	PETSCHORA
PET2	PETRO
PET3	PETRA
PFA	PFAUENGERSTE
PFA1	PFALZER
PFL	PFLUGS INTENSIV
PHI	PHILIP
PHI1	PHITICO
PHO	PHOENIX
PHO1	PHOENIX VON THALEN
PHO2	PHOSON
PI	PI
PIA	PIATTI
PIA1	PIAST
PIC	PICKETT
PIC1	PICCOLO
PID	PIDOR
PIE	PIEDMONT
PII	PIIKKIO
PIK	PIKE
PIL	PILLSBURY
PIL1	PILSEN
PIN	PINTANO
PIN1	PINNA
PIN2	PINEL
PIN3	PINGAL
PIO	PIONEER (UK 1943)
PIO1	PIONEER (PRE 1925)
PIO2	PIONER (USSR PRE 1936)
PIO3	PIONER (BULGARIA 1968)
PIP	PIPIT
PIR	PIROLINE
PIR1	PIRI-DESPREZ
PIR2	PIRKKA
PIR3	PIROL
PIR4	PIRI
PIR5	PIROUETTE
PIR6	PIRATE
PIR7	PIRTHYJARVEN
PIS	PISARECKY
PLA	PLAINS
PLAA	PLATEN 382
PLAB	PLATEN 383
PLAC	PLATEN
PLA1	PLASENCIA DE JALON 1
PLA2	PLASENCIA DE JALON 2
PLA3	PLASENCIA DE JALON 3
PLA4	PLASENCIA DE JALON 4
PLA5	PLAISANT
PLA6	PLATA
PLA7	PLATEN 2349
PLA8	PLATEN 672
PLA9	PLATEN 49
PLE	PLENA
PLE1	PLENUM
PLO	PLONGSTRUP 544
PLU	PLUSH

CODE	CULTIVAR NAME
PLUA	PLUMAGE 63
PLU1	PLUMAGE ARCHER
PLU2	PLUMAGE KORN
PLU3	PLUMAGE
PLU4	PLUMAGE ARCHER 1914
PLU5	PLUMAGE ARCHER 1935
PLU6	PLUMAGE ARCHER 43
PLU7	PLUMAGE ARCHER 68
PLU8	PLUMAGE ARCHER 1924
PLU9	PLUMAGE ARCHER 25/1
POC	POCHA PRAECOZ 20
POC1	POCK
POD	PODA
POD1	PODOLSKII 8
POI	POISK
POI1	POIPORO PENDO
POK	POKROVSKI
POL	POLDERS
POL1	POLAND
POL2	POL
POL3	POLTAWA
POL4	POLYARNYI 14
POL5	POLAR
POL6	POLNOCNY SWHN
POL7	POLONG
POL8	POLESSKII
POL9	POLKA
POM	POMO
POM1	POMMER NORDLAND WINTER BARLEY
POM2	POMERANIAN
PON	PONTIUS
PON1	PONTIAC
PON2	PONOTE
POP	POPPENHEIM
POP1	POPELINE
POP2	POPITICO
POR	PORTHOS
POR1	PORTUGUESE
POR2	PORVENIR
POR3	POREE
POR4	PORTER
POR5	PORTA
POS	POSTOLOPRTSKY NO 5
PRA	PRAECOX
PRA1	PRAGUE
PRA2	PRAECOCIUS
PRA3	PRATO
PRE	PRESTO
PREA	PRECOZ NO 22 (B)
PREB	PRECOCE LEPEUPLE
PREC	PRECOZ
PRED	PREMIERE A BARBES LISSES 2
PREE	PRECOCE DE NOLC DREGER
PREF	PREUSSICHE
PREG	PRESSBURGER
PRE1	PREFECT
PRE2	PRENTICE
PRE3	PRECOCE DU MAROC
PRE4	PRELUDE
PRE5	PRESTON
PRE6	PREVOST
PRE7	PRECOCIUS 143
PRE8	PRECOZ DE ERRO (A)
PRE9	PRECOZ NO 22 (A)
PRI	PRILAR
PRIA	PRINTECE
PRIB	PRIMA
PRIC	PRINCE EDWARD
PRID	PRINTA
PRIE	PRISCA
PRIF	PRIM
PRIG	PRIZYV
PRIH	PRIOR A
PRII	PRIOR'S CHEVALLIER
PRIJ	PRIMA DONNA
PRIK	PRIVER

CODE	CULTIVAR NAME
PRIL	PRIMUS OERLIKON
PRIM	PRIOR SUTTON
PRIN	PRIMUS (USA 1966)
PRIO	PRIMUS 2 (USA 1968)
PRIP	PRIKUMSKII 14
PRI1	PRIMUS (SWEDEN)
PRI2	PRIMUS 2 (SWEDEN)
PRI3	PRIOR
PRI4	PRINCESS
PRI5	PRINCESS 2
PRI6	PRIDE OF DAKOTA
PRI7	PRIZE PROLIFIC
PRI8	PRIMO
PRI9	PRIEKULSKII 1
PRO	PROVOST
PROA	PROBSTDORFER 4 ROW
PROB	PROBSTDORFER EURA 2
PROC	PROLIFIC
PROD	PROBSTDORFER ADORA
PROE	PROBSTDORFER IDOLA
PROF	PROBSTDORFER UTA
PROG	PROBSTDORFER MASSA
PROH	PROBSTDORFER ROBUSTA
PROI	PROBSTDORFER SIGNAL
PROJ	PROBSTDORFER BELLUNA
PROK	PROBSTDORFER 2 ROW
PROL	PROBSTDORFER VIERZEILIGE
PROM	PROMESA
PRON	PROSKOWETZ HANA
PROO	PROFESSEUR DAMSEAUX
PROP	PROFESSEUR TSCHERMAK
PROQ	PROMOSA
PROR	PROKUPKUV NAHY
PROS	PROBSTIER
PROT	PROOST
PROU	PROTIDOR
PROV	PROBSTDORFER KLARA
PROW	PROMISE
PROX	PROBE
PROZ	PROSKUVTSUV
PRO1	PROSPECT
PRO2	PROCTOR
PRO3	PROBSTDORFER SOLA
PRO4	PROBSTDORF
PRO5	PROF. SCHIEMANN
PRO6	PROSKOWETZ
PRO7	PROBSTDORFER VIENNA
PRO8	PROBSTDORFER PAULA
PRO9	PROBSTDORFER EURA
PRP	PROBSTDORF 688
PRP1	PRONGHORN
PRY	PRYOR'S CHEVALIER
PRY1	PRYOR
PSA	PSAKNON
PTI	PTILI
PTS	PTS 57
PUC	PUCKI
PUD	PUDMERICKY PIVOVAR
PUE	PUEBLO
PUE1	PUEBLA
PUK	PUKKIONOHRA
PUL	PULAWSKI
PUL1	PULAWSKI BROWARNY 246
PUL2	PULAWSKI BROWARNY 267
PUL3	PULAWSKI 9
PUM	PUMPER 6-ROW
PUM1	PUMPER 7
PUM2	PUMPERGERSTE
PUM3	PUMPERGERSTE ALTI
PUN	PUNJAB
PUR	PURDUE 21
PURA	PURPLE NUDUM
PUR1	PURDUE 1101
PUR2	PURDUE 400-17
PUR3	PURPLE NEPAL
PUR4	PURPLE BARLEY WHEAT

CODE	CULTIVAR NAME
PUR5	PURPLE BRED
PUR6	PURPLE HULLESS
PUR7	PURPOSCO
PUR8	PURDUE
PUR9	PURCELL
PUS	PUSA
PUS1	PUSHKINSKII
PUS2	PUSKIN
PUT	PUTZA
PUT1	PUTNEY
PYA	PYASIT
PYR	PYRAMIDATUM 480
P526	P 526
P903	P 9033
QUA	QUANTUM
QUA1	QUANTUM PLUS
QUA2	QUARTER AWNED ATLAS
QUE	QUEENS
QUI	QUINN
QUI1	QUITEPEC
RAB	RABAT
RAB1	RABUR
RAC	RACHEL
RAD	RADIGUERO NO 1
RAD1	RADIGUERO NO 2
RAD2	RADIGUERO NO 3
RAD3	RADIGUERO NO 4
RAD4	RADOSINSKY
RAD5	RADBORSKY
RAD6	RADBORSKY EXPORT
RAD7	RADOSINSKY SLADARSKY
RAD8	RADI 2
RAD9	RADOSINSKY EXPORTINI
RAF	RAFINER
RAG	RAGUSA
RAG1	RAGLAN
RAG2	RAGUSA 14
RAG3	RAGUSA 37
RAG4	RAGUSA B
RAG5	RAGUSA 416
RAG6	RAGUSA 420
RAJ	RAJSKI
RAJ1	RAJCKI NAGI
RAK	RAKETE
RAK1	RAKA 1
RAM	RAMSEY
RAM1	RAMOSA
RAM2	RAMONA
RAM3	RAMADA
RAM4	RAMAD
RAN	RANDOLPH
RAN1	RANANDO
RAN2	RANGJUBORI
RAP	RAPIDAN
RAP1	RAPUR
RAP2	RAPID
RAS	RASPUT
RAS1	RASPA COMUN 1085
RAS2	RASPA PRECOZ 604
RAS3	RASSVET
RAT	RATISBONA
RAT1	RATH-RIPE
RAT2	RATNA
RAT3	RATHIA
RAY	RAYSTON
RAY1	RAY
RAZ	RAZZA
RAZ1	RAZZA 27
RD4	RD 42
REA	READING
REA1	REAL
REB	REB 231
REBA	REB 164
REBB	REB 182
REBC	REB 214
REBD	REB 251

CODE	CULTIVAR NAME
REBE	REB 264
REBF	REB 307
REBG	REB 317
REBH	REB 343
REBI	REB 465
REBJ	REB 561
REBK	REB 568
REBL	REB 569
REBM	REB 570
REBN	REB 501
REB1	REB 233
REB2	REB 562
REB3	REBEKKA
REB5	REB 47
REB6	REB 65
REB7	REB 76A
REB8	REB 76B
REB9	REB 77
RED	REDFIELD
RED1	RED 10
RED2	RED RIVER
REE	REED TRIUMPH
REF	REFOMA
REF1	REFLEKS
REF2	REFSUM
REG	REGAL
REG1	REGIA
REG2	REGINA
REG3	REGENT
REI1	REINETTE
REK	REKA 1
REK1	REKORD
REN	RENO
REN1	RENE GUILLEMART
REN2	RENNIE IMPROVED
REN3	RENDO
REN4	RENDOX VADA
REP	REPITE
RES	RESEARCH
RES1	RESIBEE
RES2	RESISTA
RET	RETU
RET1	RETEMA
RET2	RETKUS 1/64
REX	REX
REX1	REX DE ABED
REX2	REXLING
RHA	RHATIA
RHA1	RHATIA 2
RHO	RHODESIA
RIA	RIALTO
RIB	RIBLETT
RIB1	RIBARI
RIB2	RIBEKA
RIB3	RIBOFARDO
RIC	RICARDO
RICA	RICHARDSONS CHEVALLIER
RIC1	RICLA 2
RIC2	RICLA 3
RIC3	RICLA 4
RIC4	RICLA 5
RIC5	RICLA 6
RIC6	RICLA 7
RIC7	RICLA 8
RIC8	RICOTENSE G-45
RIC9	RICE
RID	RIDAWN
RIE	RIEGEL
RIE1	RIESER C
RIE2	RIESER A
RIF	RIF
RIG	RIGEL
RIG1	RIGID
RIK	RIKA
RIK1	RIKA 2
RIK2	RIKOTE

CODE	CULTIVAR NAME
RIK3	RIKA 7
RIK4	RIKA 21
RIK5	RIKUZENMUGI
RIM	RIMPAUS HANNA
RIN	RINIKEN
RIN1	RINIKER
RIN2	RINN 4
RIN3	RINQUE
RIN4	RINN
RIN5	RINGVE
RIO	RIODENA 1
RIO1	RIODENA 2
RIO2	RIODENA 3
RIO3	RIOJANA DE ORON
RIS	RISO 1508
RIT	RIT
RIV	RIVALE
RIV1	RIVAS EGEA
RMG	RMGH 61229
ROA	ROANANDO
ROB	ROBERTSON
ROB1	ROBUR
ROB2	ROBIN
ROB3	ROBUSTA
ROG	ROGERS
ROJ	ROJO
ROJ1	ROJO ALAVESA
ROK	ROKKAKU CHEVALIER
ROK1	ROKKAKU
ROK2	ROKUBEN
ROL	ROLAND
RON	RONDO
ROS	ROSEWORTHY
ROS1	ROSHAL
ROS2	ROSTRES
ROS3	ROSTOVSKII 27
ROS4	ROSS
ROS5	ROSIE
ROS6	ROSTOVSKII GOLOZERNYI 289
ROS7	ROSTOVSKII 12
ROT	ROTENBURGER
ROT1	ROTA
ROT2	ROTTINGHAM
ROT3	ROTTER
ROU	ROUSSALIA
ROW	ROWLAND
ROX	ROXANE
ROY	ROYAL
RRL	RRL 1/2840
RRLA	RRL 15/2895
RRLB	RRL 16/2896
RRLC	RRL 17/2899
RRLD	RRL 18/2900
RRLE	RRL 19/2901
RRLF	RRL 21/2903
RRLG	RRL 22/2905
RRLH	RRL 23/2906
RRLI	RRL 24/2908
RRLJ	RRL 26/12810-2
RRLK	RRL 27/12810-3
RRLL	RRL 28/2902
RRLM	RRL 28/12810-4
RRLN	RRL 28/12810-5
RRLO	RRL 30/12810-6
RRLP	RRL 31/12815-1
RRL1	RRL 5/2857
RRL2	RRL 6/2859
RRL3	RRL 7/2864
RRL4	RRL 9/2878
RRL5	RRL 10/2882
RRL6	RRL 11/2887
RRL7	RRL 12/2888
RRL8	RRL 13/2890
RRL9	RRL 14/2891
RS1	RS 17
RS5	RS55
RS6	RS 6
RUB	RUBY
RUB1	RUBARD
RUB2	RUBENSDORF
RUB3	RUBIN
RUD	RUDER
RUF	RUFFLYN
RUK	RUKA PANDSHIR
RUM	RUMANIAN 20
RUP	RUPEE
RUP1	RUPAL
RUS	RUSSIAN
RUS1	RUSSIAN 1
RUS2	RUSSIAN 12
RUS3	RUSSIAN 74
RUS4	RUSSIAN 81
RUS5	RUSSIAN 2
RUS6	RUSE 85
RUT	RUTH
RYE	RYE-KI
RYS	RYSHKANSKII
R20	R 201112
SAA	SAALE
SAA1	SAALEGERSTE
SAA2	SAALE-PIROLINE
SAB	SABARLIS
SAB1	SABINANIGO 1
SAB2	SABINANIGO 2
SAB3	SABBATON
SAC	SACRAMENTO
SAC1	SACHSENDER
SAC2	SACHEON 12
SAC3	SACHEON 6
SAD	SADDLER
SAD1	SADABA
SAF	SAFRA
SAF1	SAFIR
SAG	SAGINA
SAG1	SAGA HADAKA
SAG2	SAGRESS
SAG3	SAGA TAISYN
SAH	SAHANSI
SAH1	SAHARA
SAI	SAIFI
SAI1	SAIKAI KAWA 1
SAI2	SAIKAIKAWA 18
SAI3	SAINT REMY
SAI4	SAIDA 183
SAI5	SAIKORA 2
SAI6	SAIKAI HADAKA 2
SAK	S.A.K. 17/148
SAK1	SAKHALIN OLLI
SAK2	SAKIGAKE
SAK3	SAKO 2
SAL	SALZER BEARDLESS
SAL1	SALZER
SAL2	SALKA
SAL3	SALVE
SAL4	SALINA
SAL5	SALEMER
SAL6	SALYUT
SAL7	SALOME
SAM	SAMCHEOG 36
SAMA	SAMSUM
SAMB	SAMARITA
SAMC	SAMANTA 26
SAMD	SAMANTHA
SAM1	SAMDEOGJEONBUG 45
SAM2	SAMDEOG
SAM3	SAMOFA
SAM4	SAMPEDOR
SAM5	SAMPER DE CALANDA 1
SAM6	SAMPER DE CALANDA 2
SAM7	SAMPER DE CALANDA 3
SAM8	SAMPER DE CALANDA 4
SAM9	SAMSUN 252

CODE	CULTIVAR NAME
SAN	SANTIAM
SANA	SANGATSUKO
SANB	SANAHUJA
SANC	SAN FELICES AGUERO 1
SAND	SAN FELICES AGUERO 2
SANE	SAN LORENZO DE MORUNYS 1
SANF	SAN LORENZO DE MORUNYS 2
SANG	SAN MATEO DE GALLEGO
SANH	SAN PEDRO DE RIBAS
SANI	SAN QUIRICO DE BESORA 1
SANJ	SAN QUIRICO DE BESORA 2
SANK	SANTA PAU
SANL	SANTORENS 1
SANM	SANTORENS 2
SANN	SANTORENS 3
SANO	SANTORENS 4
SANP	SANDRA
SANQ	SANRIBIJENCHOSAING
SANR	SANUKIHADAKA
SANS	SANADA
SANT	SANS BARB 2
SANU	SANFUNGA
SANV	SANTOY
SANX	SANGUESA
SANY	SANTA COLOMA
SANZ	SANTIBANEZ
SAN1	SANALTA
SAN2	SANS BARB
SAN3	SANDREL
SAN4	SAN CARLOS
SAN5	SANGATSU HADAKA
SAN6	SANS BARB 3
SAN7	SANGATSU
SAN8	SANDOMIRSKI
SAN9	SANTOKU
SAO	SAOGIMUGI
SAOA	SANSEKI
SAOB	SANADAMUGI
SAP	SAPPORO
SAP1	SAPPORO 7
SAR	SARAH
SAR1	SARLA
SAR2	SARA
SAR3	SARU
SAR4	SARUTONG
SAT	SATSUKI MUGI
SAT1	SATIR
SAT2	SATSUKI NIJO
SAU	SAUL
SAV	SAVARIA 18
SAV1	SAVARIA
SAW	SAWET
SAW1	SAWET 3
SAX	SAXONIA
SAX1	SAXONIA MALZ IMPERIAL
SAY	SAYUKIMUGI
SCA	SCARAB
SCH	SCHUYLER
SCHA	SCHLADENER
SCHB	SCHINDO
SCHC	SCHWARZE
SCHD	SCHWACH WECH
SCHE	SCHWEIGERS MOOSBURGER
SCHF	SCHMIDTS SUNNA
SCH1	SCHLEIPHAKS
SCH2	SCHRIBAUX
SCH3	SCHWEIGERS ERIKA
SCH4	SCHREIBERS NAKED WINTER BARLEY
SCH5	SCHWEIGERS HELLA
SCH6	SCHWEIGERS GEORGINE
SCH7	SCHWARZENBERG 1
SCH8	SCHWARZENBERG 3
SCH9	SCHOLEY
SCO	SCOTCH IMPROVED
SCO1	SCOTCH COMMON
SCO2	SCOTCH CHEVALLIER

CODE	CULTIVAR NAME
SCO3	SCOTCH BERE
SCO4	SCOTIA
SCO5	SCOTTISH PEARL
SCO6	SCOTCH
SCO7	SCOTCH ANNAT
SCO8	SCOUT
SEA	SEALAND PRENTICE
SEB	SEBERGELAN
SEB1	SEBERGELAN 2
SEB2	SEBERGELAN 4
SEB3	SEBERGELAN 5
SEB4	SEBERGELAN 6
SEC	SECURA
SEC1	SECHSZEILIGE PUMPERGERSTE
SEC2	SECHSZEILIGE SACAVEM 881
SEC3	SECOBRA PA4
SED	SEDOHADAKA
SEG	SEGER
SEG1	SEGESGERSTE
SEG2	SEGAN 2
SEI	SEIBAKU
SEI1	SEIJO 17
SEI2	SEIDOHADAGA
SEI3	SEISHIRO 17
SEI4	SEISHIRO
SEI5	SEIJO NO 1
SEI6	SEIGLE TEMONDIJ
SEI7	SEIS CARRERAS
SEJ	SEJET
SEJ1	SEJET 8018
SEJ2	SEJET 1722
SEJ3	SEJET 1732
SEJ4	SEJET 678263
SEK	SEKITORI 3
SEKA	SEKITORI-TA 2
SEKB	SEKITORI IBARAGI 2
SEKC	SEKITORI 4
SEK1	SEKITORI DEN 2
SEK2	SEKITORI SAITAMA 1
SEK3	SEKITORI 2
SEK4	SEKITORI SAI 2
SEK5	SEKITORI
SEK6	SEKITORI-SAI
SEK7	SEKITORIA 2
SEK8	SEKITORI SAI 1
SEK9	SEKITORI-CHIKURIN
SEL	SELECTA
SELA	SELECTY VELEJMNY
SELB	SELEKCNI HANACKY 4
SELC	SELEKCNI JARNI
SELD	SELEKCNI HANA 8
SELE	SEL GAT
SELF	SELEKCNI HANA 3
SELG	SELEKTY HANA
SEL1	SELMA
SEL2	SELECTED CHEVALLIER
SEL3	SELGUA 1
SEL4	SELGUA 2
SEL5	SELGUA 3
SEL6	SELGUA 4
SEL7	SELGUA 5
SEL8	SELECKNI HANACKY
SEL9	SELCHOWER
SEM	SEMIBORI
SEM2	SEMCHITSKY HOSPODAR
SEM3	SEMSCHITZ ECONOMY
SEM4	SEMCHITSKY PIVOVAR
SEM5	SEMSKY
SEN	SENTA
SEN1	SENTINEL
SEN2	SENBAKU
SEN3	SENCA PURPLE
SEN4	SENAT
SEN5	SENCHUL 3
SEN6	SENTALINE
SEN7	SENIOR

CODE	CULTIVAR NAME
SEO	SEO DE URGEL 1
SEO1	SEO DE URGEL 2
SEO2	SEORAJ
SER	SERTINA
SER1	SERVIAN
SER2	SERFRA
SER3	SERMO
SER4	SERVEL
SER5	SERGEANT
SER6	SEREP 1
SER7	SERLA
SER9	SERU
SES3	SES 3212
SES6	SES 69-12-41
SET	SETA SEJET
SET1	SETA
SET2	SETO HADAKA
SET3	SETHE'S SCHLOTENITZER
SEU	SEUNGMAEG 1
SEU1	SEUNGMAEG 5
SEU2	SEUNGMAEG 15
SEU3	SEUNGMAEG 126
SEU4	SEUNGMAEG 28
SEU5	SEUNGMAEG 20
SEV	SEVER 1
SEV1	SEVERODVINSKIJ
SEV2	SEVLUSSKIJ
SEX	SEXRADIGT
SHA	SHABET
SHA1	SHADDOCK
SHA2	SHARPE CHEVALLIER
SHA3	SHANSI
SHA4	SHAFIYA
SHA5	SHANNON
SHA6	SHAKLAWA
SHA7	SHALLOW
SHA8	SHARBIS
SHC	SHCHIRETSKII
SHC1	SHCHERBOVSKII
SHE	SHEBA
SHE1	SHENSI
SHE2	SHERADA
SHE3	SHESH TURIT
SHI	SHIZUOKA SHIROROKKAKU 1
SHIA	SHIRO NISHIKI
SHIB	SHIRETSKII
SHIC	SHIN 2
SHID	SHIROMUGI
SHIE	SHIN 44
SHIF	SHINANO 1
SHIG	SHIRAHIME HADAKA
SHIH	SHIKOKU HADAKA 20
SHII	SHIKOKU HADAKA 34
SHIJ	SHIKOKUHADAKA 32
SHIK	SHIROHOZOROI
SHIL	SHIKAKUMUGI
SHIM	SHIROHADAKA
SHIN	SHIROMUGI 8
SHIO	SHIRANUI HADAKA
SHIP	SHIKOKU
SHIQ	SHIRATAMAHADAKA
SHIR	SHIKOKUHADAKA 45
SHIS	SHIRODO 6
SHIT	SHIKOKUHADAKA
SHIU	SHITORI
SHIV	SHIN EBUSU 16
SHIW	SHIGATSE 1046
SHIX	SHIRO CHINKO 27
SHIY	SHINDO
SHIZ	SHISHKOT
SHI1	SHIGA HACHIKOKU 5
SHI2	SHINRIKI HADAKA
SHI3	SHIRO CHINKO
SHI4	SHIROTO
SHI5	SHIGATSU 1033
SHI6	SHIRO MOCHI
SHI7	SHIRO MUGI 6
SHI8	SHIMABARA
SHI9	SHIRVANDANY
SHJ	SHIKKE SHIRAZU
SHJ1	SHINRIKI
SHJ2	SHIMBARA HADAKA
SHJ3	SHINAME OMUGI 1
SHJ4	SHIROKUMA
SHJ5	SHIROSHINRIKI
SHJ6	SHIKOKU HADAKA 12
SHJ7	SHINDAND
SHO	SHORT COMFORT
SHOA	SHOGOR
SHOB	SHORTANDINSKII 69
SHOC	SHOLPAN
SHO1	SHOLEY CHEVALLIER
SHO2	SHOKIMUGI
SHO3	SHOBORI
SHO4	SHOLLEY 1
SHO5	SHOLLEY 3
SHO6	SHOLLEY 2
SHO7	SHOLLEY 4
SHO8	SHONAN
SHO9	SHORT HEAD
SHR	SHRUNKEN BETZES
SHT	SHTIVE
SHU	SHUMUGI
SHU1	SHUMAKI
SHU2	SHUNSEI
SIA	SIALKOT
SIB	SIBERIAN
SIB1	SIBLEY IMPERIAL
SIB2	SIBIRSKII 2
SID	SIDNEY
SIE	SIERRA ALLEPUZ AMARILLA 1
SIE1	SIERRA ALLEPUZ AMARILLA 2
SIE2	SIERRA ALLEPUZ AMARILLA 3
SIE3	SIERRA ALLEPUZ BLANCA
SIE4	SIERRA DE NUEZ 1
SIE5	SIERRA DE NUEZ 2
SIE6	SIEGES
SIG	SIGUR
SIG1	SIGNAL
SIG2	SIGMA
SIL	SILVER KING
SIL1	SILVER BEARDLESS
SIL2	SILJA
SIM	SIMLA
SIM1	SIMBA
SIM2	SIMON
SIM3	SIMRAN
SIM4	SIMMONDS 1
SIM5	SIMMONDS 2
SIN	SIN 4
SIN1	SINOUMUGI
SIN2	SINELNIKOVSKII 8
SIO	SIOGIMACK
SIR	SIROMUGI
SIR1	SIROGINKO 27
SIR2	SIRIUS
SIR3	SIRI
SIS	SISOLSK
SIS1	SISOLSK SPRING
SIS2	SISTA
SIS3	SISFOR
SIX	SIXTY DAY
SIX1	SIX ROW WINTER BARLEY
SIY	SIYOUMUGI
SKI	SKINLESS
SKO	SKOROSPELKA 1
SKR	SKRZESZOWICKI
SLA	SLADAR
SLA1	SLASKI 2
SLA2	SLAVENSKY JEMNI
SLA3	SLAVUTICH
SLA4	SLAVA

CODE	CULTIVAR NAME
SLA5	SLASKI
SLA6	SLAVUTIC
SLO	SLOVAKISCHE
SLO1	SLOVENSKY JEMNY
SLO2	SLOVENSKY DUNASKY
SLO3	SLOVENSKY 802
SLO4	SLOVENSKY KVALITNY
SLO5	SLOVAK 802
SLO6	SLOVAK DANUBE MARKET
SMA	SMALL BLUE NAKED
SME	SMELYANSKII
SMO	SMOOTH AWN
SMO1	SMOOTH AWN 86
SMO2	SMOOTH AWN 88
SMO3	SMOOTH-AWNED CAPE
SMO4	SMOOTH AWN 203
SMY	SMYRNA
SMY1	SMYRNA ACE
SN	SN 248
SNI	SNIPE
SOB	SOBO-ROKKAKU
SOD	SODA SPRINGS SMYRNA
SOD1	SODDO
SOF	SOFIA 26
SOF1	SOFIA 59
SOF2	SOFIA 347
SOF3	SOFIA 1241
SOF4	SOFIA 1337
SOF5	SOFA
SOF6	SOFIA 3
SOL	SOLU
SOL1	SOLSONA
SOL2	SOLA
SOM	SOMUGI
SON	SONJA
SON1	SON
SON2	SONBAKU
SON3	SONIX
SON4	SONGHAGBORI
SOO	SOOT BARLEY
SOP	SOPHIE
SOP1	SOPHIA 1337
SOP2	SOPHIA 1294
SOP3	SOPHIA 31
SOR	SORZESZOWICKI
SOR1	SORGSKY HORSKY
SOR2	SORTKERNET BYG
SOU	SOUTH CAROLINA AWNLESS
SOUA	SOUCHE 203 COLMAR
SOUB	SOUCHE 10 COLMAR
SOU1	SOUTH AFRICAN
SOU2	SOUCHE 142 COLMAR
SOU3	SOUCHE 164 COLMAR
SOU4	SOUCHE 179 COLMAR
SOU6	SOUCHE 191 COLMAR
SOU7	SOUCHE 212 COLMAR
SOU8	SOUCHE 106 COLMAR
SOU9	SOUCHE 127 COLMAR
SPA	SPARTAN (USA)
SPA1	SPARTAN 2
SPA2	SPANISCHE
SPA3	SPARTAN (CZECHOSLOVAKIA 1977)
SPE	SPECIALE
SPE1	SPEAR
SPI	SPITI VALLEY
SPI1	SPIEGEL
SPR	SPRATT-ARCHER
SPR1	SPRAY
SPR2	SPRATT
SPR3	SPRAT
SPR4	SPRATT-ARCHER 37
SPR5	SPREAD
SPR6	SPRINTER
SPR7	SPRATT-ARCHER (XR)
SQU	SQUAREHEAD WINTER
SQU1	SQUARE BARLEY

CODE	CULTIVAR NAME
STA	STAVROPOL
STAA	STADLERS R40
STAB	STARNOVSKY KNEIFEL
STAC	STALLAR 2
STAD	STANGE
STAE	STANKA
STAF	START
STAG	STAMMTLOHENH
STAH	STAMM
STAI	STAMM 12
STAJ	STAVROPOL 413
STAK	STATION DE COLMAR
STAM	STAVROPOL 281
STAN	STAVROPOL 9
STAO	STAVROPOL 628
STAP	STANISLAVSKII
STAQ	STAROHANACKA KRAJ ODRUDA
STA1	STAF BARLEY FROM TUNIS
STA2	STADLERS
STA3	STANDWELL
STA4	STANDARD PRYOR
STA5	STAR
STA6	STALLAR
STA7	STANKAS FRUHGERSTE
STA8	STAVROPOLSKII 7
STA9	STADLERS RATISBONA
STE	STEPHAN
STEA	STEINA
STEB	STERLING
STE1	STEIGUM
STE2	STEVELAND
STE3	STEPTOE
STE4	STELLA
STE5	STELLAR
STE6	STEUDELLI
STE7	STEWART
STE8	STEPOVYI
STE9	STELLA (SWEDEN)
STI	STIRLING
STJ	STJERNE
STO	STONEMAN
STO1	STOECKINGER
STO2	STOTZ SALEMER
STO3	STOCKTON
STO4	STOVRING
STR	STRIEGUM
STRA	STRENGS FRANKEN 2
STRB	STREATLY
STRC	STRENGS DURA
STRD	STRENGS KIRUNA
STRE	STRENGS OPTIMA
STRF	STRENGS CORONA
STR1	STRENGS FRANKEN 3
STR2	STRENGS AUREA
STR3	STRENGS DOMINA
STR4	STRENG
STR5	STRENGS NACKTA
STR6	STRZELCE
STR7	STRENGS ASPA
STR8	STRENGS FRANKEN
STR9	STRENGS BELLA
STU	STUPICKY SESTIRADY
STU1	STUDINA 5
STU2	STUDINA 6
STU3	STUPICKY HANACKY
STU4	STUPICKY PLNOZRNNY
STU5	STUPICKY STAROCESKY
STU6	STUPICKY PLNOZRNNY (XR)
SUB	SUBMEDICUM
SUB1	SUBERGALYAN
SUB2	SUBU
SUB3	SUBAETHIPS
SUC	SUCCESS
SUC1	SUCCESS BEARDLESS
SUC2	SUCHOW
SUD	SUDAN

CODE	CULTIVAR NAME
SUD1	SUD
SUF	SUFFOLK CHEVALIER
SUF1	SUFFOLK COAST
SUF2	SUFRANE
SUI	SUISHO SEKITORI 305
SUI1	SUIFU
SUJA	SUKYE 27
SUJB	SUKYE 30
SUJC	SUKYE 34
SUJD	SUKYE 101
SUJE	SUKYE 102
SUJF	SUKYE 103
SUJG	SUKYE 104
SUJH	SUKYE 105
SUJI	SUKYE 106
SUJJ	SUKYE 107
SUJK	SUKYE 108
SUJL	SUKYE 109
SUJM	SUKYE 111
SUJN	SUKYE 112
SUJO	SUKYE 113
SUJP	SUKYE 115
SUJQ	SUKYE 116
SUJR	SUKYE 117
SUJS	SUKYE 118
SUJT	SUKYE 120
SUJU	SUKYE 122
SUJV	SUKYE 123
SUJW	SUKYE 124
SUJX	SUKYE 125
SUJY	SUKYE 126
SUJZ	SUKYE 127
SUJ3	SUKYE 128
SUJ4	SUKYE 129
SUJ5	SUKYE 131
SUJ6	SUKYE 132
SUJ7	SUKYE 133
SUJ8	SUKYE 134
SUJ9	SUKYE 136
SUK	SUKYE 137
SUKA	SUKYE 138
SUKB	SUKYE 139
SUKC	SUKYE 142
SUKD	SUKYE 143
SUKE	SUKYE 144
SUKF	SUKYE 147
SUKG	SUKYE 148
SUKH	SUKYE 151
SUKI	SUKYE 152
SUKJ	SUKYE 153
SUKK	SUKYE 154
SUKL	SUKYE 156
SUKM	SUKYE 158
SUKN	SUKYE 159
SUKO	SUKYE 160
SUKP	SUKYE 161
SUKQ	SUKYE 162
SUKR	SUKYE 163
SUKS	SUKYE 165
SUKT	SUKYE 166
SUKU	SUKYE 167
SUKV	SUKYE 168
SUKW	SUKYE 169
SUKX	SUKYE 170
SUKY	SUKYE 171
SUKZ	SUKYE 172
SUK1	SUKYE 174
SUK2	SUKYE 176
SUK3	SUKYE 177
SUL	SULTAN
SUL1	SULZAU
SUL2	SULU
SUL3	SULDERELBE
SUM	SUMIRE MOCHI
SUM1	SUMMIT
SUM2	SUMAVSKY

CODE	CULTIVAR NAME
SUN	SUNRISE
SUN1	SUNDANCE
SUN2	SUNGMACK
SUN3	SUNGMACK5
SUN4	SUNGSUNG 16
SUN5	SUNCHUL 3
SUN6	SUNAZIMUGI
SUN7	SUNNA
SUN8	SUNGIA
SUN9	SUNBA
SUP	SUPIAN
SUR	SURPRISE
SUR1	SURANSKY 129-I
SUR2	SURRY
SUS	SUSAN
SUT	SUTTER
SUV	SUVENIR
SUV1	SUVI
SUW	SUWEON 18
SUWA	SUWEON 2
SUWB	SUWEON 11
SUWC	SUWEON 12
SUWD	SUWEON 15
SUWE	SUWEON 16
SUWF	SUWEON 21
SUWG	SUWEON 33
SUWH	SUWEON 34
SUWI	SUWEON 37
SUWJ	SUWEON 19
SUWK	SUWEON 27
SUWL	SUWEON 28
SUWM	SUWEON 29
SUWN	SUWEON 30
SUWO	SUWEON 32
SUWP	SUWEON 35
SUWQ	SUWANHARUSU
SUWR	SUWEON 25
SUWS	SUWEON 165
SUWT	SUWEON
SUW1	SUWEON 6
SUW2	SUWEON 13
SUW3	SUWEON 14
SUW4	SUWEON 4
SUW5	SUWEON 31
SUW6	SUWEON 8
SUW7	SUWEON 7
SUW8	SUWEON 3
SUW9	SUWEON 5
SUZ	SUZAN
SUZ1	SUZUMEYAKKO
SUZ2	SUZUKA HADAKA
SVA	SVALOF 50/102
SVAA	SVALOF FREJA
SVAB	SVALOF GOLD
SVAC	SVALOF SIEGES
SVAD	SVALOF 1519
SVAE	SVALOF YMER
SVAF	SVALOF HEIMDAL
SVAG	SVALOF 02025
SVAH	SVALOF PRINCESS
SVAI	SVALOF VICTORY
SVAJ	SVALOF HANNCHEN
SVAK	SVALOF PRIMUS
SVAL	SVALOF HANNA
SVAM	SVALOF CHEVALLIER
SVAN	SVALOF MARI
SVAO	SVALOF 8009
SVAP	SVALOF BRAGE
SVAQ	SVALOF GOLDKORN 91
SVAR	SVALOF SVANHALS
SVAS	SVALOF ASA
SVAT	SVALOF BRIO
SVAU	SVALOF EDDA 2
SVAV	SVALOF PRESTO
SVAW	SVALOF KAJSJA
SVAX	SVANSOTA 2

CODE	CULTIVAR NAME
SVA1	SVANHALS
SVA2	SVALOF PALLAS
SVA3	SVALOF 04032
SVA4	SVANSOTA
SVA5	SVALOF BONUS
SVA6	SVALOF HELLAS
SVA7	SVALOF VISIR
SVA8	SVALOF
SVA9	SVALOF FOMA
SVB	SVALOF 65522
SVB1	SVALOF 66367
SVB2	SVALOF KRISTINA
SVB3	SVALOF 71120
SV6	SV 61248
SV60	SV 60426
SV61	SV 61340
SV80	SV 8089
SWA	SWAN
SWA1	SWALLOW
SWA2	SWAN NECK
SWA3	SWAINS
SWA4	SWART
SWE	SWEDISH PLUMAGE
SWE1	SWEDISH STAR
SWE2	SWEDISH
SWI	SWISS SPRING
SWI1	SWISS
SWR	S W R I
SYL	SYLVIA
SYM	SYMPA
SYO	SYOKIMUGI
SYR	SYRIAN GAZA
SYR1	SYRIA
SYS	SYSOLSKII 95
SYU	SYUNSEI
SZA	SZALONTAI TAJFAJTA
SZE	SZEKACS 31
S14	S 142 COLMAR
TAC	TACA TRIFOLIUM
TAC1	TACHIRA 2
TAG	TAGANROG
TAG1	TAGHA
TAI	TAISHOMUGI
TAI1	TAIYA
TAI2	TAIHU
TAI3	TAIKIOMUGI
TAI4	TAIHAKU
TAK	TAKESHITA
TAL	TALL KENIA
TAL1	TALL COMFORT
TAL2	TAL
TAM	TAMU-ERA
TAM1	TAMPARKORN
TAM2	TAMMI
TAM3	TAMESU
TAM4	TAMARA
TAM5	TAMBAR 401
TAM6	TAMAMUGI
TAM7	TAMBAR 402
TAM8	TAMINA
TAM9	TAMANO HADAKA
TAN	TANIKAZE 105
TAN1	TANIKAZE 2
TAN2	TANIKAZE
TAN3	TANBASH
TAN4	TANIA
TAN5	TANAROO
TAN6	TANBAJIRO
TAP	TAPP WINTER
TAP1	TAPLANI
TAP2	TAPIR
TAP3	TAPLANI TAVASVI ARPA
TAP4	TAPGOLBORI
TAR	TARGU FRUMOS
TAR1	TARUMIZU
TAR2	TARTAR
TAR3	TARAZONA
TAR4	TARDIA DE ERRO
TAR5	TARASOVSKII
TAR6	TARGU FRUMOS 240
TAR7	TARGET
TAR8	TARRA 26
TAS	TASH-KALYAK
TAS1	TASHOMUGI
TAS2	TA-SEL
TAS3	TASMAN
TAT	TATIEN
TAU	TAUSTE
TAV	TAVERN
TAW	TA WAUNG MIAOZ
TAY	TAY
TEB	TEBLETILLA
TEE	TEEMU
TEL	TELLUS
TEL1	TELLI
TEM	TEMPRANA DE VALTERRA
TEM1	TEMP
TEN	TENKOW
TENB	TENARAB
TENC	TENNESSEE
TEND	TENNESSEE WINTER HOODED
TEN1	TENNESSEE WINTER
TEN2	TENNESSEE WINTER 52
TEN3	TENNESSEE BEARDLESS 6
TEN4	TENNESSEE 6
TEN5	TENNESSEE HOODED 6
TEN6	TENNESSEE BEARDLESS 5
TEN7	TENNESSEE 5
TEN8	TENNESSEE HOODED 5
TEN9	TENWASE
TER	TERN
TER1	TERWIN
TER2	TERSKII 3617
TER3	TERNEL
TER4	TERASOL PIVOVARSKY
TER6	TERREX
TES	TESTA
TES1	TESSAINI
TET	TETRAPLOID WALTER
TET1	TETCHERIT
TEX	TEXAN
TEX1	TEXAS WINTER
THA	THANET
THA1	THALHEIMER
THE	THEODORE
THE1	THEISS
THI	THIRD OUTER GLUME
THI1	THIBAUT
THO	THORPE
THO1	THOMAS
THR	THREE-ROWED
THU	THUMB
TIB	TIBETGERSTE
TIB1	TIBET 969
TIB2	TIBET 990
TIF	TIFANG
TIF1	TIFLIS
TII	TIITUS
TIL	TILLI
TIL1	TILOUGGUITE
TIM	TIMIRYAZEVSKII 85
TIM1	TIMIRYAZEVSKII
TIN	TINTERN
TIO	TIOGA
TIP	TIPPER
TIR	TIROLER
TIR1	TIROLER NACKTGERSTE
TIR2	TIRANA
TIR3	TIROLER IMPERIAL
TIR4	TIRABA
TIS	TISOVSKII
TIT	TITAN

CODE	CULTIVAR NAME
TIV	TIVANNES
TJE	TJEKOSLOVAKIST
TOC	TOCHIGI SEKITORI 1
TOC1	TOCHIGI GOLDEN MELON 1
TOC2	TOCKA
TOH	TOHOKUKAWA 14
TOK	TOKAK
TOK1	TOKUSHIMA MOCHI MUGI
TOK2	TOKUJI
TOK3	TOKAI
TOK4	TOKAI HADAKA 6
TOK5	TOKUSHIMA CHINKO 83
TOL	TOLLI
TOL1	TOLL
TOL2	TOLUKA 1
TON	TONOT
TON1	TONBORI
TON2	TONGU
TON3	TONSARU
TON4	TONGUBORI
TOO	TOOMAS
TOP	TOPPER
TOP1	TOPAS
TOP2	TOPAZ
TOP3	TOPLANI
TOR	TORANO-O SAI 1
TORA	TORRES DE BERRELLEN 1
TORB	TORRES DE BERRELLEN 2
TORC	TORRALBA
TORD	TORAO
TORF	TORANO-O
TOR1	TORRE HELLIN
TOR2	TORREHERMOSA 1
TOR3	TORREHERMOSA 2
TOR4	TORREHERMOSA 3
TOR5	TORREHERMOSA 4
TOR6	TORRELABAD Y EL SOLER 1
TOR7	TORRELABAD Y EL SOLER 2
TOR8	TORRELABAD Y EL SOLER 3
TOR9	TORRELABAD Y EL SOLER 4
TOS	TOSCA
TOS1	TOSAN KAWA 1
TOT	TOTTORI
TOU	TOURETTES
TOY	TOYAMAKAWA 60
TOY1	TOYAMAKAWA 22
TOY2	TOYAMAKAWA 63
TOY3	TOYAMAKEI 222
TOZ	TOZAM-SHIROHADAKA
TP	TP 180
TRA	TRAILL
TRA1	TRAIT D'UNION
TRA2	TRABUT
TRA3	TRADAK
TRA4	TRAPMAR
TRA5	TRAMASO
TRA6	TRACURA 50
TRE	TREBI
TRE1	TREGAL
TRE2	TRENT
TRE3	TREDELL
TRE4	TREBI 1
TRE5	TRESOR DU VELAY
TRE6	TREMP 1
TRE7	TREMP 2
TRI	TRIPLE AWN LEMMA
TRIA	TRIESDORFER
TRIB	TRIPLE BEARDED MARIOUT
TRIC	TRISTAN
TRID	TRIUMPHANT
TRIE	TRIAS
TRIF	TRIBOT
TRIG	TRIBOT 231
TRIH	TRIPLE BEARDED LEMMA
TRII	TRIPLE HOOD
TRIJ	TRIKEDRITT

CODE	CULTIVAR NAME
TRIK	TRIUMPH (GDR)
TRIL	TRIGGER
TRIM	TRIUMF (CZECH 1938)
TRI1	TRIA
TRI2	TRIFURQUIE
TRI3	TRIBUTE
TRI4	TRIPOLI
TRI5	TRIUMPH (UK)
TRI6	TRIESDORF 473
TRI7	TRIFURCATE HULL-LESS
TRI8	TRING
TRI9	TRIUMPF
TRO	TROPHY
TRO1	TROOPER
TRO2	TRON SEJET
TRO3	TROSSENFELDER FRANKONIA 4999
TRO4	TROMITTER
TRO5	TROJAN
TRO6	TROFIMOVSKAYA
TRU	TRUMPF
TRY	TRYSIL
TSA	TSAIYA
TSC	TSCHERMAK
TSC1	TSCHERMAKS ZWEIZEILIGE WINTERGERSTE
TSC2	TSCHERMAK A 2 RANGS D'HIVER
TSC3	TSCHERMAKS NAKED WINTER BARLEY
TSC4	TSCHERMAKS 2-ROWED
TSC5	TSCHERMAK ZWEIZEILIGE SOMMERGERSTE
TSC6	TSCHERMAKS KNOTT
TSE	TSELESTE 1274
TSE1	TSELINNYI 5
TSI	TSINKE
TSU	TSUKUBA HADAKA
TU	T U
TUC	TUCKER
TUC1	TUCK
TUC2	TUCSON EARLY
TUC3	TUCSON LATE
TUD	TUDELA DE DUERO
TUL	TULANSKII 283
TUN	TUNIS
TUN1	TUNGA
TUN2	TUN
TUN3	TUNISIAN
TUR	TURK
TUR1	TURKESTAN
TUR4	TURQUOISE
TUR5	TURKISH
TUR6	TURKEY 290
TUR7	TURKEY 582
TUR8	TURKEY 666
TUR9	TURBINE
TUX	TUXER NAKED
TWE	TWEED
TWO	TWO ROWED HULL-LESS
TWO1	TWO AWNLETTED HUDSON
TWY	TWYFORD
TYE	TYEICHYEN 5
TYR	TYRA
TYS	TYSTOFTE PRENTICE
TYS1	TYSTOFTE
TYS2	TYSTOFTE KARLS
TZA	TZARSKI
TZI	TZIA
T4	T4
T5	T5
UAM	UAMTO
UBA	UBARNER BACO
UBA1	UBAMA BACO NAKED
UC	UC 566
UCS	UC SIGNAL
UDA	UDARNIK
UKI	UKIHAJIRO
ULB	ULBRIA
ULM	ULME
UM	UM 43-1020

CODE	CULTIVAR NAME
UMA	UMANSKII
UMI	UMIS
UMU1	U-MAN-MI-DA-MAI
UNA	UNA
UNC	UNCASTILLO
UND	UNDIME
UNG	UNGAON
UNG1	UNGAR R52
UNI	UNION
UNI1	UNIVERSITY OF MANITOBA 570
UNI2	UNION BEARDLESS
UNI3	UNITAN
UNI4	UNIVERSE
UNI5	UNICULM
UNI6	UNION WINTER
UNI7	UNIQUE
UNI8	UNIVERSAL (USSR 1944)
UNI9	UNIVERSAL (GERMANY)
UNK	UNKNOWN CVAR-HORSFORD TYPE
UNKA	UNKNOWN CVAR-4 ROWED
UNKB	UNKNOWN CVAR-2 ROWED
UNKC	UNKNOWN CVAR-FINNLAND
UNKD	UNKNOWN CVAR-TIBET
UNKE	UNKNOWN CVAR-KHARKOV USSR
UNKF	UNKNOWN CVAR-MORAVIA
UNKG	UNKNOWN CVAR-FRANCE
UNKH	UNKNOWN CVAR-VANCOUVER CANADA
UNKI	UNKNOWN CVAR-AUSTRALIA
UNKJ	UNKNOWN CVAR
UNK1	UNKNOWN CVAR IN OREGON
UNK2	UNKNOWN CVAR
UNK3	UNKNOWN CVAR-AUSTRIAN
UNK4	UNKNOWN BULK HYBRID
UNK5	UNKNOWN CVAR
UNK6	UNKNOWN CVAR
UNK7	UNKNOWN CVAR-MIXED SEED-SWEDEN
UNK8	UNKNOWN CVAR-AMERICAN SMOOTH AWNED
UNK9	UNKNOWN CVAR-CENTRAL EUROPE
UNN	UNNAMED CVAR (CAPE X COAST)
UNNA	UNNAMED CVAR (1427)
UNNB	UNNAMED CVAR (BR 57-754)
UNNC	UNNAMED CVAR (GB6)
UNND	UNNAMED CVAR (PURDUE B466A1-17-15-15
UNNE	UNNAMED CVAR (B247)
UNNF	UNNAMED (UM 570)
UNNG	UNNAMED CVAR (CI 7117-77)
UNNH	UNNAMED CVAR (BR 5750-2)
UNNI	UNNAMED CVAR (H. SPONTANEUM)
UNNJ	UNNAMED CVAR (ST.5.19)
UNNK	UNNAMED CVAR F4 451
UNNL	UNNAMED CVAR R22
UNNM	UNNAMED CVAR JS
UNNN	UNNAMED CVAR (LINE J 51)
UNNO	UNNAMED CVAR (LINE J3K)
UNNP	UNNAMED CVAR (EJ/5/1)
UNNQ	UNNAMED CVAR (BREUNS LINE I3KI)
UNNR	UNNAMED CVAR (BREUNS LINE I51)
UNNS	UNNAMED CVAR (254/650)
UNNT	UNNAMED CVAR (R 22)
UNNU	UNNAMED CVAR (348/342)
UNNV	UNNAMED CVAR (LINE 10707)
UNNW	UNNAMED CVAR(NUTANS TYPE)
UNNX	UNNAMED HYBRID(HEINES LINE)
UNNY	UNNAMED CVAR(14029416)
UNNZ	UNNAMED CVAR(TR. A. L.)
UNN1	UNNAMED CVAR (CB 825)
UNN2	UNNAMED CVAR (CB 788)
UNN3	UNNAMED CVAR (NO 259711)
UNN4	UNNAMED CVAR (HYBRID 456)
UNN5	UNNAMED CVAR (C205)
UNN6	UNNAMED CVAR (LINE 207)
UNN7	UNNAMED CVAR (702/52)
UNN8	UNNAMED CVAR 191)
UNN9	UNNAMED CVAR (ENGLENS LINE A 989)
UNO	UNNAMED CVAR (WW5793 X WW5853)
UNOA	UNNAMED CVAR (NDB 112)
UNOB	UNNAMED CVAR(B(WASEHAKKOKU X HO 65))
UNOC	UNNAMED CVAR(UNSPECIFIED SWEDISH CVA
UNOD	UNNAMED CVAR(UNSPECIFIED NORWEGIAN C
UNOE	UNNAMED CVAR(TRIFURCATUM)
UNOF	POLLEN MIXTURE OF(KRA6+KRA4+KUB1+PAM
UNOG	UNNAMED CVAR(NO.60)
UNOH	UNNAMED CVAR(179 VAR RICOTENSE SUBVA
UNOI	UNNAMED CVAR (CI 1179)
UNOJ	UNNAMED CVAR (CI 3576)
UNOK	UNNAMED CVAR (CI 3208/1)
UNOL	UNNAMED CVAR (HB 380/22)
UNOM	UNNAMED CVAR (RMGH 59114)
UNON	UNNAMED CVAR (6511)
UNOO	UNNAMED CVAR (HY 1148)
UNOP	UNNAMED CVAR (3412)
UNOQ	UNNAMED CVAR (3941)
UNOR	UNNAMED CVAR (FDE 244-95)
UNOS	UNNAMED CVAR (835/36)
UNOT	UNNAMED CVAR (12563)
UNOU	UNNAMED CVAR (WEISSENHAUSE 382/49)
UNOV	UNNAMED CVAR (KOREA)
UNOW	UNNAMED CVAR (CI 2376)
UNOX	UNNAMED CVAR (LINE 1433)
UNOY	UNNAMED CVAR (10221)
UNOZ	UNNAMED CVAR (176)
UNO1	UNNAMED CVAR(WA 1255-60)
UNO2	UNNAMED CVAR(CI 4738)
UNO3	UNNAMED CVAR(BR. 5755-3)
UNO4	UNNAMED CVAR (N.D. B133)
UNO5	UNNAMED CVAR (B 138)
UNO6	UNNAMED CVAR(MI 62-431-17)
UNO7	UNNAMED CVAR(MI 62-434-1)
UNO8	UNNAMED CVAR (MINNESOTA 64-98-8)
UNO9	UNNAMED CVAR (CI 1237)
UNPA	UNNAMED CVAR (MG 60020)
UNPB	UNNAMED CVAR (ST 1402964/9)
UNPC	UNNAMED CVAR (5793)
UNPD	UNNAMED CVAR (WW 5853)
UNPE	UNNAMED CVAR (L 100)
UNPF	UNNAMED CVAR (39)
UNPG	UNNAMED CVAR (LBW 6153 P40)
UNPH	UNNAMED CVAR (CI 5631)
UNPI	UNNAMED CVAR (HP 120323)
UNPJ	UNNAMED CVAR (HALLE ST 5157/44)
UNPK	UNNAMED CVAR (KLEINWANZLEBEN ST 2161
UNPL	UNNAMED CVAR (15533 CO)
UNPM	UNNAMED CVAR (HB 855/467)
UNPN	UNNAMED CVAR (1923)
UNPO	UNNAMED CVAR (CI 5631)
UNPP	UNNAMED CVAR (321/482)
UNPQ	UNNAMED CVAR (HADM 5547/67)
UNPR	UNNAMED CVAR (HADM 46459/68)
UNPT	UNNAMED CVAR (SV A 56888)
UNPU	UNNAMED CVAR (W 5925)
UNPV	UNNAMED CVAR (W 6122)
UNPW	UNNAMED CVAR (ST 49619/68)
UNPX	UNNAMED CVAR (LW 64192)
UNPY	UNNAMED CVAR (ST 11191/59)
UNPZ	UNNAMED CVAR (ST 46459/68)
UNP1	UNNAMED CVAR (L 92)
UNP2	UNNAMED CVAR (CI 3906-1)
UNP3	UNNAMED CVAR (RMGH 61229)
UNP4	UNNAMED CVAR (PT.W.20)
UNP5	UNNAMED CVAR (MG 240-58)
UNP6	UNNAMED CVAR (TCE 141)
UNP7	UNNAMED CVAR (MG 64347)
UNP8	UNNAMED CVAR (MGH 63199)
UNP9	UNNAMED CVAR (MG 60122)
UNQ	UNNAMED CVAR (ST 14008/64/3)
UNQA	UNNAMED CVAR (RA5002/69)
UNQB	UNNAMED CVAR (W 259-411)
UNQC	UNNAMED CVAR (WB 13/4)
UNQD	UNNAMED CVAR (RPB 611/71)
UNQE	UNNAMED CVAR (RPB 112/69)
UNQF	UNNAMED CVAR (RPB 576/70)
UNQG	UNNAMED CVAR (HB 279/5/1/3)

CODE	CULTIVAR NAME
UNQH	UNNAMED CVAR (W 5342)
UNQI	UNNAMED CVAR (L 456)
UNQJ	UNNAMED CVAR (TRIFOLIUM ERECTOIDES L
UNQK	UNNAMED CVAR (ST 1435)
UNQL	UNNAMED CVAR (RM 792/7)
UNQM	UNNAMED CVAR (989)
UNQN	UNNAMED CVAR (MUTANT 31M15)
UNQO	UNNAMED CVAR (CI 5791)
UNQP	UNNAMED CVAR (BR 3902)
UNQQ	UNNAMED CVAR (W 82-68)
UNQR	UNNAMED CVAR (W 17-68)
UNQS	UNNAMED CVAR (222-69)
UNQT	UNNAMED CVAR (BR M 45-680)
UNQU	UNNAMED CVAR (QB 113.1)
UNQV	UNNAMED CVAR (TR 409)
UNQW	UNNAMED CVAR (MT 84366)
UNQX	UNNAMED CVAR (ND B130)
UNQY	UNNAMED CVAR (PB 26)
UNQZ	UNNAMED CVAR (UC 155.9)
UNQ1	UNNAMED CVAR (CI 4219)
UNQ2	UNNAMED CVAR (A 044)
UNQ3	UNNAMED CVAR (69545/9)
UNQ4	UNNAMED CVAR (65/44)
UNQ5	UNNAMED CVAR (6122)
UNQ6	UNNAMED CVAR (65509)
UNQ7	UNNAMED CVAR (ST 12504)
UNQ8	UNNAMED CVAR (SVP 674)
UNQ9	UNNAMED CVAR (R26/73C)
UNR	UNNAMED CVAR (B 247)
UNRA	UNNAMED CVAR (K-9247)
UNRB	UNNAMED CVAR (K-17034)
UNRC	UNNAMED CVAR (VIR 19375)
UNRD	UNNAMED CVAR (ST 8530)
UNRE	UNNAMED CVAR (ASIATIC 4-ROW BARLEY)
UNRF	UNNAMED CVAR (6271)
UNRG	UNNAMED CVAR (A61718)
UNRH	UNNAMED CVAR (1911)
UNRI	UNNAMED CVAR (597)
UNRJ	UNNAMED CVAR (C-3-51)
UNRK	UNNAMED CVAR (G X AG X B)
UNRL	UNNAMED CVAR (F2 BULK POPULATION)
UNRM	UNNAMED CVAR (W25-69)
UNRN	UNNAMED CVAR (W4-69)
UNRO	UNNAMED CVAR (STAMM CPB)
UNRP	UNNAMED CVAR (575 10-44)
UNRQ	UNNAMED CVAR (6718)
UNRR	UNNAMED CVAR (VD H 66323)
UNRT	UNNAMED CVAR (VL-P)
UNRU	UNNAMED CVAR (1115)
UNRV	UNNAMED CVAR (BREEDERS STRAIN)
UNRW	UNNAMED CVAR (270)
UNR1	UNNAMED CVAR (33)
UNR2	UNNAMED CVAR (1038)
UNR3	UNNAMED CVAR (WEIHENSTEPHAN L 259-71
UNR4	UNNAMED CVAR (81.2)
UNR5	UNNAMED CVAR (27.2)
UNR6	UNNAMED CVAR (21)
UNR7	UNNAMED CVAR (362)
UNR8	UNNAMED CVAR (610)
UNR9	UNNAMED CVAR (K 6857)
UNS3	UNNAMED CVAR (RPB 16-71)
UNS4	UNNAMED CVAR (RPB 64-74)
UNS5	UNNAMED CVAR (ST 1373)
UNU	UNUMLI ARPA
UNV	UNVAISTE
URA	URANIA
URB	URBANOWICKI
URG	URGEL
URO	URONES
URO1	UROZHAINYI
URT	URTE
URU	URUGUAJSKII
URU1	URUGUAY
USE	USED 1
USE1	USED 2
USE2	USED 3

CODE	CULTIVAR NAME
USP	USPEH
USS	USSR 13031
USS1	USSURIISKII 8
UST	USTINOVSKII
USU	USUMAKI
US6	U.S. 6
UTA	UTAH WINTER
UTA1	UTA
UUR	UURAISTENOHRA
UUR1	UURAINEN
UYE	UYETAKE
UZB	UZBEKSKII
UZU	UZU
U28	U 28
VAD	VADA
VAD1	VADA (CM)
VAD2	VADA 4
VAG	VAGABOND
VAI	VAIROGS
VAK	VAKHAN 1
VAL	VALENTINE
VALA	VALKI
VALB	VALENCIA DEL CID
VALC	VALPALMAS
VALD	VALDER
VALE	VALTICKY C
VALF	VALTICE
VALG	VALAKS
VAL1	VALE 70
VAL2	VALE
VAL3	VALMORE
VAL4	VALTICKY
VAL5	VALTICKY B
VAL6	VALTICKY(XR)
VAL7	VALKOW
VAL8	VALETA
VAL9	VALJA
VAM	VAMA
VAN	VANGUARD (NILAN 1971)
VAN1	VANTAGE
VAN2	VANTMORE
VAN3	VANCE
VAN4	VANCE SMYRNA
VAN5	VANIER
VAN6	VANKKURI
VAN7	VANGUARD (PRE 1925)
VAN8	VANJA
VAN9	VANESSA
VAR	VARUNDA
VAR1	VARDE
VAR2	VARAGAN 24
VAT	VATONGA
VAU	VAUGHN
VEG	VEGA
VEG1	VEGA ABED
VEG2	VEGETATAVNYI 3
VEL	VELVET
VEL1	VELVON
VEL2	VELVON 11
VEL3	VELVON 17
VEL4	VELLAVIA
VEL5	VELIKAN
VEL6	VELEBIT
VEN	VENDRELL
VEN1	VENA
VEN2	VENUS
VEN3	VENDI PA MALA
VER	VERIGOT
VER1	VERKHNYACHESKII 8
VER2	VERGA
VER3	VERKHNYACHESKII 6
VER4	VERBESSERTE MEHLTAURESISTENTE PUMPER
VER5	VERMONT BEARDLESS
VET	VETULIO
VG0	VG 063
VG5	VG 57139

CODE	CULTIVAR NAME
VIA	VIATSKY 1.163
VIC	VICTORY
VIC1	VICTOIRE
VIC2	VICTORY (FINNISH)
VIC3	VICTOR
VIC4	VICTORIA
VIC5	VICH
VIC6	VICTORIA BIG
VID	VIDEO
VIE	VIERZEILIGE WINTERGERSTE
VIE1	VIENNA
VIG	VIGTIS
VIG1	VIGDIS BYNG
VIG2	VIGLASKY POLOJEMNY
VIJ	VIJAYA
VIK	VIKTORIA
VIL	VILLA
VILA	VILLASTAR 1
VILB	VILMORIN S
VILC	VILLARIA
VIL1	VILAND
VIL2	VILANOVA DE MEYA 1
VIL3	VILANOVA DE MEYA 2
VIL4	VILLANUEVA DE GALLEGO 1
VIL5	VILLANUEVA DE GALLEGO 2
VIL6	VILLARROBLEDO 1
VIL7	VILLARROBLEDO 2
VIL8	VILLARROBLEDO 3
VIL9	VILLARROBLEDO 4
VIM	VIMA
VIM1	VIMA 4-3
VIN	VINDICAT
VIN1	VINER
VIN2	VINESCO
VIN3	VINER 80
VIN4	VINOSNY
VIN5	VINER 1163
VIN6	VINNICKII 3
VIN7	VINNICKII 128
VIN8	VINNICKII 6
VIO	VIOLETTA 2
VIO1	VIOLETTA
VIO2	VIOLETTE
VIO3	VIOLETTE 2
VIR	VIRGINIA HOODED
VIR1	VIRGINIA SELECTION
VIR2	VIRGA
VIS	VISIR
VIS1	VISA
VIV	VIVA
VIZ	VIZER
VLA	VLADIVOSTOK
VME	V MEX 2
VOG	VOGELSANGER GOLD
VOG1	VOGUE
VOG2	VOGELSANGER FRUH
VOG3	VOGEL
VOG4	VOGELS AGAER
VOG5	VOGEL'S WEIHENSTEPHANER
VOI	VOITTO
VOL	VOLDAGSEN
VOLA	VOLLKORN PROBSZDORFER
VOLB	VOLDAKS
VOL1	VOLDAGSEN 2417
VOL2	VOLLA
VOL3	VOLLKORN
VOL4	VOLL
VOL5	VOLLKORN(XR)
VOL6	VOLVUN
VOL7	VOLWYN
VOL8	VOLBAR
VOL9	VOLOGDA
VOR	VORONEZH
VPA	V PALLIDUM 1337
VRO	VROEG GARS
VUL	VULCAN

CODE	CULTIVAR NAME
VUN	VUNI
VWE	V WELL
VYA	VYATSKII
VYA1	VYATSKII 1009
VYN	VYNOSNY
V11	V 11941
V16	V 16 P
WAD	WADE
WAG	WAGONVILLE
WAI	WAITZENER
WAI1	WAINE
WAK	WAKAMATSU
WAL	WALPERS
WAL1	WALKIE
WAN	WANJUBOMSSALBORI
WAN1	WANDA
WAN2	WANSE
WAN3	WANSNIPE
WAR	WARD
WAR1	WARRIOR
WAR2	WARTEBRUCH
WAR3	WARREN
WAR4	WARE
WAR5	WARBOYS
WAS	WASHINGTON SELECTION 3564
WASA	WASEJIRO
WASB	WASE CHINKO
WASC	WASE SHIKAKU
WAS1	WASE GOLDEN MELON
WAS2	WASE HADAKA
WAS3	WASETENKANGAL
WAS4	WASEHOSOGARA
WAS5	WASEHADAKA 80
WAS6	WASE OMUGI
WAS7	WASEMARUMI
WAS8	WASE ROKKAKU
WAS9	WASE HACHIKOKU 1
WAT	WATAUGA
WAT1	WATTS
WAX	WAXY COMPANA
WEA	WEAL
WEB	WEBB'S SUNRISE
WEB1	WEBSKY
WEB2	WEBS
WEB3	WEBBS
WEB4	WEBBS NEW CROSS
WEB5	WEBBS AWNLESS
WEB6	WEBBS NEW UNIVERSAL
WED	WEDLIM
WEE	WEEAH
WEI	WEIHENSTEPHAN MILDEW RESISTANT
WEIA	WEIBULLS RIKA
WEIB	WEISSENHAUS 1467
WEIC	WEIHENSTEPHANER MEHLTAURESISTENTE
WEID	WEIHNENSTEPHAN CP 127422
WEIE	WEIHENSTEPHAN A
WEIF	WEIHENSTEPHAN C
WEIG	WEIBULLS HERTA
WEIH	WEIHENSTEPHANER 190/1330 FR
WEII	WEIHENSTEPHANER G 112
WEIJ	WEIHENSTEPHANER ST 409/250
WEIK	WEIHENSTEPHANER ST 906
WEIL	WEIHENSTEPHANER 323/255
WEIM	WEIHENSTEPHANER 16
WEIN	WEIBULLS 6043
WEIO	WEIHENSTEPHAN 37/136
WEIP	WEIBULLS 4744
WEIQ	WEIHENSTEPHAN 41/145
WEIR	WEIHENSTEPHAN 125
WEIS	WEISSENBURGER
WEIT	WEIBULLS CLARA
WEIU	WEIBULLS PURE
WEIV	WEIBULLS 5741
WEIW	WEIN
WEIX	WEIHENSTEPHAN 409
WEIY	WEISTEPHAN 1947

CODE	CULTIVAR NAME
WEIZ	WEIBULLS 1515-64
WEI1	WEIHENSTEPHAN STAMM
WEI2	WEIBULLS 1001
WEI3	WEIBULLS INGRID
WEI4	WEIHENSTEPHAN
WEI5	WEIHENSTEPHAN 2
WEI6	WEIHENSTEPHANER 259
WEI7	WEIHENSTEPHAN MILDEW RESISTANT 2
WEI8	WEIHENSTEPHANER MEHLTAURESISTENTE CP
WEI9	WEIDER
WEJ	WEIHENSTEPHANER E 11
WEJ1	WEIHENSTEPHANER N G 4
WEJ2	WEIHENSTEPHAN 664
WEL	WELAM
WEL1	WELCH
WEL3	WELSH EARLY
WES	WEST CHINA
WES1	WESTBAR
WES2	WESTFALEN
WES3	WESSERHEM
WG5	WG 545
WHI	WHITE WINTER
WHI1	WHITE HULL-LESS
WHI2	WHITE SMYRNA
WHI3	WHITE GATAMI
WHI4	WHITE DEFICIENS
WHI5	WHITE RUSSIAN
WHI6	WHITE MORAVIAN
WHI7	WHITE CLUB
WHI8	WHITE ANOIDIUM
WI	WI 2128
WID	WIDER
WIE	WIELAND
WIE1	WIESELBURGER
WIE2	WIENER
WIE3	WIEN
WIG	WIGO
WIL	WILL
WIL1	WILSENTE
WIM	WIMPOLE
WIN	WINTER CLUB
WINA	WINGS ORDINARY
WINB	WING BEARDLESS
WINC	WINTER BARLEY
WIND	WINTER
WINE	WINTER BEARDLESS
WINF	WIND-RESISTANT
WING	WINTERMALT
WINH	WINSTON
WINI	WINTER 4353
WIN1	WINTEX
WIN2	WINTER TENNESSEE
WIN3	WING
WIN4	WINTERGERSTE 4R
WIN5	WINDSOR
WIN6	WINNIPEG NO 2
WIN7	WINGS PEDIGREE
WIN8	WINER
WIN9	WINTER SIX ROWED
WIS	WISCONSIN BARBLESS
WISA	WISC. X691
WISB	WISCONSIN PEDIGREE
WISC	WISSINGER B
WISD	WISSINGER D
WISE	WISCONSIN PEDIGREE 17
WISF	WISCONSIN PEDIGREE 18
WISG	WISCONSIN PEDIGREE 20
WISH	WISCONSIN PEDIGREE 35
WISI	WISSA REMIS
WISJ	WISCONSIN PEDIGREE 9
WIS1	WISCONSIN PEDIGREE 5
WIS2	WISCONSIN 5
WIS3	WISCONSIN PEDIGREE 37
WIS4	WISCONSIN PEDIGREE 6
WIS5	WISCONSIN PEDIGREE 38
WIS6	WISCONSIN 38
WIS7	WISCONSIN WINTER
WIS8	WISA
WIS9	WISCONSIN BARBLESS PEDIGREE 38
WIT	WITHYCOMBE
WIT1	WITHYCOMBE HULL-LESS
WIT2	WITCHES BROOM
WI1	WI 2231
WI2	WI 2197
WI3	WI 2468
WOA	WOAIDONG
WOC	WOCUS
WOC1	WOCUS 71
WOF	WOFUT
WOL	WOLFE
WON	WONG
WON1	WONG-JET
WON2	WONJU
WON3	WONDER
WOO	WOODWARD
WOO1	WOODVALE
WOO2	WOODROW
WOO3	WOOD'S HOODED
WOO4	WOODWIN
WOO5	WOODSIDE
WOT	WOTAN
WPG	WPG62-528
WRI	WRINCH
WRI1	WRINCH PROLIFIC
WSS	WSSH. 382/49
WUR	WURLA
WUS	WUSEIN
WUS1	WUSTERMARSH'
WWB	W W BALTAZAR
WWG	W W GASELL
WWR	W W ROLAND
WYO	WYOMING HULL-LESS
W146	W 1468
W632	W 6329
W71	W 71-56
XEN	XENIA
XIN	XINLONG NAKED BARLEY
XOP	XOPPAX 61/6
YAH	YAHAZU
YAL	YALE
YAM	YAMINA
YAM1	YAMATE HADAKA
YAM2	YAMATO HADAKA
YAN	YANE HADAKA
YAN1	YANE HADAKA HEN
YAN2	YANE HADAKA 6
YAN3	YANE 11
YAR	YARNA
YAT	YATTE SEXRADIGT
YEN	YENIDJE
YEO	YEONGWEOLYUGGAG
YEO1	YEOGI
YER	YERLI
YES	YESILKOY 387
YES1	YESILKOY
YEU	YEUGI
YME	YMER
YME1	YMER 2
YOK	YOKOZUNA
YOK1	YOKWAN 24
YOK2	YOKOSHIRO SEMIMUGI
YOR	YORK HOODED
YOR1	YORK
YOR2	YORKSHIRE
YOU	YOUNGWOLYUKKAK
YRI	YRIBA
YRJ	YRJAR
YSA	YSABEL
YU	YU
YUB	YUBILEINYI
YUD	YUDINSKII
YUG	YUGGAGDONGMAEG

CODE	CULTIVAR NAME
YUG1	YUGI
YUK	YUKKAK 7
YUK1	YUKYONMACK
YUK2	YUKAKMACK
YUK3	YUKKAKDONGMACK
YUK4	YUKIWARIMUGI
YUN	YUNGWOLYUKAK
YUN1	YUNAGI HADAKA
YUT	YUTTA
YUT1	YUTAKA
YUY	YUYNYJ
YUZ	YUZHNYI
YU1	YU 1
YU5	YU 5
ZAF	ZAFER ARPASE 160
ZAF1	ZAFIR ARPOSE
ZAI	ZAIRAISHIRO
ZAI1	ZAIRAI-AO
ZAJ	ZAJA
ZAL	ZALARINETS
ZAL1	ZALATINEC
ZAL2	ZALKA
ZAM	ZAMIMACK
ZAM1	ZAMUGI
ZAN	ZANDER
ZAR	ZARINA
ZAV	ZAVET
ZBO	ZBOROVICKY KARGYN
ZE	ZE
ZEB	ZEBAC
ZEF	ZEFIR
ZEH	ZEHRA
ZEI	ZEINERS IMMUNE
ZEI1	ZEISIG
ZEI2	ZEINERS FRANKENPERLE
ZEI3	ZEINERS HOHENLOHER
ZEI4	ZEINERS IMPROVED FRANKEN
ZEI5	ZEISING
ZEI6	ZEINERS UNIVERSAL
ZEM	ZEMYR
ZEN	ZENITH
ZEN1	ZENIT
ZEN2	ZENRA
ZEP	ZEPHYR
ZER	ZERNOGRADSKII 20
ZER1	ZERNOGRADSKII 33
ZER2	ZERNOGRADSKII 73
ZEU	ZEURGA
ZHA	ZHARKYN
ZID	ZIDLOCKOVICKY
ZID1	ZIDLOCKOVICKY GLORIA
ZIG	ZIG ZAG
ZIM	ZIMUYUSHII MOSKOVSKII
ZIM1	ZIMRAN
ZIS	ZIST
ZIT	ZITA
ZOA	ZOAPILA
ZOC	ZOCO DE YEBEL-HEBIL 1
ZOC1	ZOCO DE YEBEL-HEBIL 2
ZOE	ZOE
ZOL	ZOLOTOI
ZON	ZONA DE REINOSA
ZON2	ZOND
ZOR	ZORA
ZUC	ZUCHTSTAMM 253
ZUE	ZUERA 1
ZUE1	ZUERA 2
ZUE2	ZUERA 3
ZUE3	ZUERA 4
ZUE4	ZUERA 5
ZUN	ZUN POHN MUGI
ZUR	ZURA

Section II — Pedigrees on microfiche in envelope on inside back cover

Pedigrees with a single selection only
Pedigree charts

Section II — Généalogies sur microfiches dans l'enveloppe à l'intérieur de la couverture arrière

Généalogies comportant une seule sélection
Tableaux généalogiques

Section III — Tables — on microfiche in envelope on inside back cover

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Section III — Tableaux — sur microfiches dans l'enveloppe à l'intérieur de la couverture arrière

Tableaux des coefficients de parenté et de consanguinité

Section IV — Literature cited in the register

Section IV — Ouvrages cités dans le registre

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